

6001

<400> 12323
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ttttgcgacg acaccgagcg attcgtgcct ccttccctt cctttgactt cggtttctaac 180
ttgattacca gtgagaagta ggctaagatg gaaatcatgt caagagagaa tgagactgct 240
ttgtcaggtc ctaggccgat ggaatgggtct accgtccac acagtgcctt tcaaggacct 300
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<210> 12324
<211> 216
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-B3

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tttcttoga aacattactc cgggtatgtg acaattgata aggaacatgg aaagaatcta 180
tggtattact ttattgaatc ggagaagaat ccatca 216

<210> 12325
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-078-Q1-E1-F8

<400> 12325
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tgttacaatg ttgtttgtag ccatggcctc cgcggagatg cttcaagatg tttgtgttgc 120
tgatttgtct aatgcgggtca aggtcaacgg atacacttgc aaggactcaa cacaaataac 180
accagaagac ttctacttca aaggcttagc caacattgcc gccacaaaca cctctaccgg 240
ctcagtcgtg accggagcca acgtagaaaa gctaccggga ctcaacactc tcggcctctc 300
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398

<210> 12326
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A2

<400> 12326

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acgttagctt ctgtcatcct ttacgtctt cttctccaaa ggtctcactt cgcagttccg 120
ttcatttcgc gacgagtctt tctcaagtc actccatttc tgggcttcgc gctgttttgc 180
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tcgctcataa gggctacaag atgaagaccc acaaggcctc agcgaagcgg ttcagagtga 300
cgggtagagg gaagattgtg aggaggagat ctgggaaagc angcatttgt tagctaagaa 360
gaacaacang aggaaattac gtctatccga aaatgacggn agtgaaccgg gagcgactat 420
gacaacgtga ttg 433

<210> 12327
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A4

<400> 12327

ttggtagccn gcaggccacc ganccggaat ncccgggncg acccaccnt nngcggacn 60
cttgggcgga cccttgggcg gacccttggg cggacncttg ggaaaaancg tctctcgctt 120
gagctgcgan gatgcaagca gtaaaaagat ccaggagaca tggtgaagaa gagccaacaa 180
tggtagaacc taaaaccaag tacgatcgtc agctcangat ttgggggggga agtaagtcaa 240
gcggncttgg ganaagccga gtatctgttt actcaattgt ggnctactg gttccgangc 300
tttgaagaat ctcgacttgc gtggtgttgc taacatcacc gttgttgatg gatntaaggt 360
tcaatttggg gaccttggga acaatttcat ggtcgatgcc aagaatgttg gccaatcaaa 420

aanccaaaat ctgtttggtg ccgtttctcc aagagcctaa tgattccgtt aaacgccaaa 480
gtttaantga agg 493

<210> 12328
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A6

<400> 12328

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caaggagatc cgtgtgctcc tcagctttat cgggtgggaag gtttaaattg tanttatccg 120
gactccgagg gatcaagaat catatccttg aacttgaatg ggagcgantt gacaggttct 180
ataacatctg acatatccaa gctaacactg ttgacagtat tagatttatc acataatgat 240
ttatcaggag atattccaac attttttgct gagatgaagt cgttgaagct catanactta 300
agtggaaanac ccgaacctta atctcacagc aantcccaga ctctcttcag caanggggta 360
aaacagcaaa tcctttaaca ctaattttgg gtggnaaacc tgactccgac tcccananna 420
cnagag 426

<210> 12329
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B1

<400> 12329

gtgttggtt atacaattgg tggatcagcc attgcccgtg gcataactcc aaatctggca 60
tctttttttg gtggtttgga caatcttctt gtgttcttag ctcgacaaac tataccccggg 120
gttgggtattg tggttgatcc atgtgctgca cttttgatta tgattgtcac gatactacta 180
tgttttggga taaaggagag ttcaacagta caagcaattg taacatcagt gaatgtttgc 240
accttggntt tcatcanagt aagttgggtg atatttagct tgcaagactg gatggggttg 300
atatgatctc cccaatgggt actttccttt tggactaaat gggatactgc cgggatnctg 360

ccgtannant cctctcanac attggaattt gatactgtaa ccaagtacgg ctgangaang 420
gtgaaaaaa 429

<210> 12330
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B3

<400> 12330

tgctggttac ttatccgagt cctatgtatt ctacgaagca atactcacta gggagtactt 60
caaagatgga ttgtttcagg atctcaatat tgcaaacaag cagcttcggt ttcttgcaag 120
gtttcttatg gtgtgtttgg ttcttgcccg ccgtgagatg gtgcatcaac tcgttgatca 180
gtttaaacgg ttgattgatg aatgcaagag gacattccag gaaaccgatt ttaaggaatg 240
gaagggtggtg gcgcaggaaa tagttagatt tctgaaatcg gacactgcat tcatgaacat 300
tagacctcta agatacagtc ttgtattgga tcctaactcg gatgctggta ctccgcgtgc 360
aagtangtcc ttaangttga cggatgctaa tcntgagcaa ttaattactg taacgaggtc 420
aagta 425

<210> 12331
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B4

<400> 12331

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tttcatcatt ctgtttctcc atcactcttt ctgctccact cgacaatgaa ctcatcatgc 120
aaaagaggca catcgagtgg atgactaaac acggccgtgt ctacgcggat gtgaaggagg 180
aaaacaatcg ctacgttggtg ttcaaaaaca acgtcgaacg cattgaacat ttaaatagca 240
ttccctgccg gaagaacttc aaacttgccg taaatcagtt tgctgattaa ncaaatgacg 300
aaattccgtc caatggtaaa ctgggttcaa aaggttccnc ggnaataacc aacccaaaagg 360

caaaactaaa atgtcgccgt ttaggtacca aaacgtttct tctgggtgctt tgccggtttc 420
tggtgactgg g 431

<210> 12332
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B6

<400> 12332

tgaccacgct ccgattctcc atttctttcc cttttgactt ttcacttcca atttttcggt 60
atcagatctg gacgatgggt tcacaaatct ctacagcttg ttgtttctca tccaccaatc 120
gccaatTTca cttccaaagc cgatcgtttc catgccctat gattcgtccc cagtcttttg 180
tagtTaaaag tgTtgatggg aatagctctg aaacaccaag cttctctaag ctatacanct 240
gaggTttcaa aacctgttgt tganaaaaca tccaaaccgt attccactgt tgatgaaact 300
gtaccaata aagagagcat cacagagnca agtagaggaa gatgttgcca cacaancant 360
aagagcagca aagatccacg acntctgttt cggcattcct t 401

<210> 12333
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B7

<400> 12333

ntaanggaaa aggattggn anttcnancg ggcnaattggc ttcacnagac attgtccatt 60
ttgtggnact acnanatgtc caanagggaa anatctcang ggtacaaccg cttcaaccag 120
aattgccttc gcantttttg acgtanatga naatccgtaa tatgaaaccg attcctccat 180
gaatgatctc gtctcgtgtg taaatgaagt gtgtacatat tatacattac ataaaccact 240
gcggcggtta aaaatcgctg tcgtttttgcg cgattacata agctttttcc atttttaaaa 300
taaaaatgtc cagaatgtgg gatgtaagtt nogaatgaag aagccggatg ttaancattt 360
ggcctgattt ctttttacat caatacttgg g 391

<210> 12334
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-077-Q1-E1-B8

<400> 12334

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cttcttcttc ttcttcttct tcttcttctt cttcttcttc ttcttcatat tttccctatg 60
atttgatct ctaaaatctt caatcccat gttctaattt aaaaaatcac aacactctct 120
ttatcatata ccctattata aaccaaactt tgatcctcga atatatttta ttaaaaagat 180
aatattcgtg tttctcatgt tggagtcata ataaagaaac ctttgtgttt taatttaatc 240
ccctccaaga aacctgaaga ttctaagaag ctgccattaa aactaataaa ggaagagagt 300
ccaaagaaga agaagaagaa gagaaaatgt cacgtcttga cgacatacct tcaagcccag 360
gcaaattcaa gatggagaaa tcttcttact tgcacgtctt cagattccaa tcttctctca 420
caa 423
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<210> 12335
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-C1

<400> 12335

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aaagcaagat ggatcagacg taacgtgagt acaactacac aaggtagtag aagcaacact 60
aagagcagtg tgttgggagg aacagttcct gtaaccagga ttatagatga agagagtaga 120
accaaggtag agccttttgg taatcttcag caacggcttg cgcaagataa agatctgtct 180
aagctcctca cggttatagt ctctgatctt gagacaactg gtttgcatcg gaaaaatgag 240
cggataattg aaattgcagc tcaggatata gctgggtgtg gggtagagca catttcaaac 300
tcttgtcaac cgggtgttg ttctataac taacgcacat atccatggga atcacgaatg 360
atatgggccg tccanccnaa ggttccaaag gattggaana nctgataccg atatttccgn 420
cggnatgttg aaaag 435
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<210> 12336
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-C11

<400> 12336

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 aaacgtggga aaaaatggcc ggaagtcttg taaaatgcag caagatccgt cacattgtga 120
 gactcagnca aatgctccgg cgatggcgta acaaagcgcg gttatcttcg gtcagccggt 180
 gtgtaccgtc ggatgttcca tctggacacg tggcagtttg tgtgggtagc ggttgcagga 240
 gatttgtggt gcgtgcgtcg tacctgaacc atcctatcat aagcaatctt ctggttcaag 300
 ctgaggaaga gtttggtttt gctaaccaag gaccgttggt tantccttgc gannaatcgg 360
 ttttcgaana agcgatncgg tttatatccc ggtctgattc ntc 403

<210> 12337
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-C12

<400> 12337

ttggtacgcc ctgcaggtcc cnaaacggga nttcccgggn cgacccacgc atcnggaaaa 60
 ttcnnacnaa ntcncngtt gaanatgacg attaanccta aatcgccggc gagattcaag 120
 ctaggtaggc agtcttcgct tgcgccggaa tcaagaaccc cgattgatac gttaacggaa 180
 gatgaggacg acgacttggc tgcggcggct acagctggga tcggggatcc gacgattcgt 240
 ttaatgtatt tagccaacga aggtgatatc gatggcatca ataagatgct tgattcgggt 300
 actaatgttg attaccgtga catcgatgcc cgtactgctc ttcacgtcgc cgcttgtcaa 360
 ggacgaaccg atgtcgttga gctgctgctt agcgcgtggtg ctaaggttga tacgaaggac 420
 cgatggggta gtacgcctct tgcagatgca gtgtattaca aaaa 464

<210> 12338

<211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-C2

 <400> 12338

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cattcaattc ccaaaccaaa cagagcagaa gaacaacaag ttttgattct aaaaaaggaa   60
gcttcccaag tatggatccg tcggagtatt ttgccggcgg caatccttcc gatcaacaga  120
accagaagcg gcagcttcag atctgtggtc ctcgtccttc acctcttagt gttcacaaag  180
actctcacia aatcaagaaa cctccaaaac accctgcgcc gccgccaat cgtgaccaac  240
cgccgccgta tattcctaag agagccggtg gttatctacg ccgtatcccc caagggtgta  300
nacgcaaccg cgtctgagtt catgaacgta gtccaagcga ctcacaggga tctcctcctg  360
gtgttttcct cgaatctggc ggcggtggag atgtttcacc ggcggcgagg ctacggtcca  420
cgaaaaatgc tat                                                         433
  
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<210> 12339
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-C4

 <400> 12339

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agcctncggg ttncacaaag agtggnggga aaagattcat gtcacattga acagtaatcc   60
ttacatgata acttttggat tagtccaaga ttctattctc tcagattcca gattttgatc  120
aactttggtg gctctcaatc ctcgccgccg ttatgtcctt cacttattcc tcagccggtc  180
tcgccctcgg catancccaa gttgtcggtt atgggaaggt gaagggaagt ctcactggga  240
ttagcatagg agcagtaaca gagacacaga agatatggag gacctttcaa gctcttggag  300
acattgcttt tgcttactcc tactccatta tctcatcng agattcaagg acacagtga  360
gtcaccacca tcagaagaga agacaatgaa gaaaggaaca cttgtgagcg tcagtgtaac  420
gactatgttc aanaagttgg gtggggg                                         446
  
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<210> 12340

<211> 404
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-A10

 <400> 12340

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 gaagatctta tcattctctcg ccgccgcac caccgtccgc aacttcagct ctaccggaag 180
 tcctctcacc agctaccaaa tcantaaacc ttccgccgtca aaatccttca cttccaggct 240
 tctccaccaa tcttcctccg ccggtactcc tccgcaacaa cttttcggcg ccgtagctt 300
 ctcanctccc agcagtgatt tcaacagcta ccacattaat ccgncgtcta actgggggaa 360
 tccgnatcgt gccggagagg aaagcntgtg tgagttganc gggg 404

<210> 12341
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-076-Q1-E1-F10

 <400> 12341

 ccggcgagtt cgactcgggtg attgattttt tctagaaaa ataaaatttc ttcttaacga 60
 ttgatcgatt ttggttttct atctttcgat tctagatcta gaattcaatt tgtgaggttt 120
 ggagatggcg agcgagctga tcaatcggcg acacgagacg gatcaaccaa ccgccgatgc 180
 ttattaccg aaaccaatca aaccatggtt caccgtgact cgtccgatgc gttacatgct 240
 ccgtgaacag agacttatct tcgttctcgt tggcattgca atcgctactt tggttttcac 300
 aattttccct cgctccacac aatcaacccc ttactcggat cttttctccg gttacggaat 360
 ccgaaccgga cgaatcgta gttccggcta a 391

<210> 12342
 <211> 361
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-076-Q1-E1-F2

<400> 12342

aggacacagc atctgaaatc gtacaagtat ctgaagaaca taaattaaaa atctttactt 60
tgtaataatg gcatcagagt tttgatcgga gaatctaaaa gtctcgactt ttcgaatttt 120
gttggtcgct ttcttaagga catgaatctc gcggtggcta gttttcgcg caatttcggc 180
gtcttgctgc aatgcagctc atgttgtagt cttcagtttc aagccttttg tagctgctac 240
ttccagtctc aaatttttgg ggcaaacaag gaacatctcc aaagggaaag aaggattctg 300
aaancttgaa aaaagtttca agaaagagaa gagacctttg ggntaagagg tgacggggaga 360
c 361

<210> 12343

<211> 356

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-076-Q1-E1-F4

<400> 12343

tctttcattc ttgggtggtg ttatgacatg gtcacagatc actgatttgc cattttcttt 60
gtactcaact ttctgtgatcg agtctcgga tgggttcaac aaacaaacaa tatggatggt 120
cattagggac atgatcaaag gaacattcct ctctgtcata ctaggccac ccattgttgc 180
tgcgataatt ttcatagtcc aagaaaggag gtccttatct tgccatctat ctgtggggat 240
tcatgtttat cctgtctcct aagtgatgat gactatatan ccgggtcttg atancaacgc 300
tcttcaacaa gttcantcct cctccaaatg ggngacctcc gggganaaga attgag 356

<210> 12344

<211> 245

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-076-Q1-E1-F5

<400> 12344

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tttgttatta tctgatgtcg aatatgcaat tctctcgtgg ttttaatccc tttgttatcc 120
tcttctgtcn cgccgtgggt gcaccaatta tateggntga tgctcgtatc ttgagaacgg 180
actattacca ngnaacatgt cctgatttcn acanaattgg tgcngtngaa ncnggtnacn 240
ancca 245

<210> 12345
<211> 365
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-076-Q1-E1-F6
<400> 12345

aaaaaaaaatc gacaacagtg cagacacacg ccgatttgcg agatacacac agtctcacct 60
aaaaatcgca aaagaagaaa aattcggatc aaaattgtct tcaagcatca tggatccata 120
caggggttcgt ccttcaagcg ctcatgatc ccctttcttc actacaaact cgggtgctcc 180
tgtctggaac aacaactctt ctttgactgt cggaactcga ggtccaatcc ttctggagga 240
ctatcatctg cttgagaaac tcgctaactt tgacagggag cggattcctg agaggggttg 300
tcatgccagg ggaaccagtg ctaagggttt ccttgaagtc actcatggac attgccaact 360
tactt 365

<210> 12346
<211> 330
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-F8
<400> 12346

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gcatcaaaga cgattttact acacctggaa cacttgcccc aacaggattg ttcttggtg 120
gtaacaagta catggtaatc caaggagagc ctaatgccgt cattcgagga aagaagggag 180
ctggtgggtg ttaccatcaa naagaccacc ttagctttgg tatttggtat ctatgatgaa 240
ccantgactc ctggacaatg caatatggtt gtggagaatc tcggtgagta actgattgaa 300
tcngggctct gaaacttaag ctgctactat 330

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<210>      12347
<211>      388
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-076-Q1-E1-G2

<400>      12347

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caagaaggtc ccaaagttga acaagagaag aagccggctg ccaccgtagt cccagttgag   120
actactgacg gcaagccaaa gagcggcgga ggagattccg cggcagcagc agcaccaccg   180
gtcgccgcgg ttgtctctgc ctttgtttac aaagtggata tgcactgtga aggctgcgct   240
aaagaagata aaagcnaatg gttaangcac tttgatggag tgaaagatgt gacggcanga   300
tactgggtgg aaannaagct tttgggtggg cggaaaagat tgaatccaag tgaaaactcc   360
aggnagaant tggganngan gaaanccg                                     388


<210>      12348
<211>      378
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-076-Q1-E1-G4

<400>      12348

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taagaagagg gccaaagaaa ggatctggaa ttctttcttc ttcaagattt gtaaattgggt   120
gttagttctt caaagatcta aaatatcaag atcaggaaga aatgggaggt gacttgaaaa   180
gccagctatc tagagagagc catgtgtttg gacttaaggt gtgggaagta attggtatag   240
ctgttgcatc gctcatcata gctatcctct ctgttcnttc gtgttgtcnt acttcgaaaa   300
agaaatcaag aagatngaaa accggtcttc cggttaacca aactcctccc ggtgggtctc   360
caaagagatc agagaaag                                     378


<210>      12349
<211>      368

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<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-G6

 <400> 12349

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 aagtcgtaga cttcgtgatg cactggctca agactctggt ttggagtctg aatacatact 120
 tgtaggctgt ggtgctgacg ancttattga tttgatcatg agatgcgtgt tacatcctgg 180
 ggagaagatt atagattgtc ctccaacttt ctcaatgtat gtgtttgatg cggctgtgaa 240
 tggancaggt gtcattaaca gttccaaaga aaccccgatt tcagcttgaa tgtagaccgc 300
 atcgctgaag ttgtagaact anaagaacca aatgcntact cntancntct cccaacaatc 360
 cagatggg 368

<210> 12350
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-H10

 <400> 12350

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 ggaggattca gaggtggaag agatggtggt ggaagagggt ttggagggtg aagaagcttt 120
 ggaggangcc gtaatggtga cagangccgt actgggcctc gcggcagagg acgtggtgcg 180
 cctccttggt ccttgaggga acaacctcgt ggaggaatga aanganggaa ancaaaagtg 240
 attgttgagc ctcaacagac atgnngggag tgtttaattg ctaagggtaa agaanatgcn 300
 cttgtcacta aaaatttttg ttccgggtga aacctgttta caatgacgan aanaaccctt 360
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 aaantt 426

<210> 12351
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H11

<400> 12351

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<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H12

<400> 12352

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gttttcgaat cgtcacanct ggagaaggaa gctaatactt ttctcatttt ggaactttga 180
ggaganatct gaaagttttt tnttttttgt tgttggtctg gatcgttcct gttccactct 240
cttcatcttc cgatcatcgt tatttttcgaa gctctctaca aacaaaatcg attttttttc 300
tgggtaatct aaagaggtga ccgaaagaag aaaactttta cgttttgcat gggggtaaga 360
atggcagang ttaagaacnt ggangcangg gagatcgaga cgccttgg 408

<210> 12353
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H2

<400> 12353

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agagagctaa gaagttttac ccgtcgaggc aaagactgac tcttcccggtg actcctggat 180
cgaaggacaa acctgttgct ctcaatagca agaaatcact gaaaggagta ctgtgatgga 240
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<210> 12356
 <211> 367
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-H8

 <400> 12356

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catatgctca agctcccgca ccatggaatc catctaattg gtttcgtccg gggacatgtg   180
ancactacga gtgtcccacc tanaaattgg tanaggccgg atacggnttt gagatncgca   240
agtnccgangc tgccctaagg atatctacta ntctanccc ctccctatcc atgactcaag   300
ccancaaaac cggtttccga cgattaaata ggtacataga aggngataac aaagagcaac   360
gttaaga                                           367
  
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<210> 12357
 <211> 370
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-F1

 <400> 12357

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actgttggtg ttttctaatt ctgtcggcaa gacactatct ttaggactgc tagggagttt   180
agaggttaca cagttgactt tttctatcaa ggttataggt ttagtattgt taatatatag   240
aaatggaagc caagatcgtc aagggtgttg atagtagtag gtgtgaagat ggaattcgga   300
aaaaagagga agcgcgcagc aagctatgcc tgcataatgt actgggangt ttcctgtgca   360
aaancctgca                                           370
  
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 <211> 447
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
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 aaccaggaga attggctggt atctcgaaag aggcggtggc tccatatgaa cgccctgcac 180
 ttagcaaggg gtatttgttt cctgaanggg ctgctaaact tccaaggttt ccattgctgt 240
 gttggtagtg gtggagaaaa actgcttcct gaatcctaca agcagaaagg aatttgagtt 300
 gatactaagc acagaaataa gtgaaagctg atntcctctg ncaaagaatc cttgtcaatt 360
 gcaactgggg ggaatgtcct caagtntcaa nacgcncan aantnccaac tgggttcaac 420
 nggttcncaa aattgcccga anttttg 447

<210> 12359
 <211> 371
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C2
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 aagatggtga acgctatggt ggagagagcg acgagcgaga tgctgatcgg gcctgattgg 120
 gctatgaacc tcgagatctg tgatatgctc aatagcgatc cagcgcaagc aaaagatggt 180
 gtgaaaggca ttaaaaaacg gattgggtag caggaatcca aaagctcagc ttcttgctt 240
 aaactctgct tgagacaata gtgaaagaac tgtggtgaca tggttcatat gcatgtggct 300
 gaaaaagggt ttattcatga gatgggtccg atagtttaag aaaaagccgg acntccatgt 360
 caaaganaaa a 371

<210> 12360
 <211> 378
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C3

<400> 12360

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 aaagctttcc tcttctcagc tttctcttcg ttataaccaa cgatcaatac cttccctctc 180
 tgtgaggtgt tcagtgtctg gtggaaatgg aactgctgga aagagaacga ctcttcatga 240
 tntatatgag aaggaanggt catgagtcct tgggtatgaa aaanctttgg ncgtccaagt 300
 cacagatnnt ncncctgttg aagtggcccg tgggggttan gaggtgttnn ggaggccaag 360
 ccccnngnag tttttttg 378

<210> 12361
 <211> 370
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C5

<400> 12361

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 agctataatc tccgatttca tacctccgcc gaggtccctc cgcgtcacta acgagtttat 180
 ctggccggat ctgaaaaaca aagtgaagc ttcaanaaan gagatcnann aancgatcng 240
 gattttcttcg atcttgacga tgatttcgaa gcctgatttc caagggggtt aanggatgac 300
 tcnngctttt gactgcgaag acgatgatga tgcntcgcnc aatgttgaaa gccnttcgtc 360
 ttcaccggcg 370

<210> 12362
 <211> 368
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C6

<400> 12362

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 cggaaaaaat ggctgccaat ttctggaatt catctcacta taaacagctt ttggatccag 120
 aagaagtcga cgtagttcat gatctcgata aagaacgtgg aatctcaatt gatgatttta 180
 agctcatcaa gttccatatt tctaatacata ttatgaaatt ggctcagcac attaaagtga 240
 ggcaaagggt tgtagctact gcaattacgt atatgagacg ggtttatatc agaaagagta 300
 tggtaagagt ttgagcctcg acttggttgc cttacgtgct tgtacctgnc aatctaaagc 360
 tgnangag 368

<210> 12363
 <211> 369
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C7
 <400> 12363

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 tcatcctcat ggttttgtgg caaanccgga nacggggcgag gatggaactg tgaatctaatt 180
 ggtgtggcat tgcactatac ctgggttaaag ctgggactga ttgggaagggt ggattctttc 240
 cattaancga tgcacttcag tgnaggatta tccgatgcaa acctccgana ntgtanagtt 300
 tccacanggg gtttttcnaa cccctaantg tccnannccc gtcangnnaa antgtctgtc 360
 ctctcnntg 369

<210> 12364
 <211> 366
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C8
 <400> 12364

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tctagaagtg ganagaaggg ggaagatcaa gcgacggata ctgatangtt ttgctgtatg 180
 tcagtggatt gtgttgaaac tgatttttggg ggattttggag gaacttgtga accctattca 240
 atggntcag cttcgaaaaa gacgtcggga tgctctcacc acggtggggg ctcttccgcc 300
 tcccaaactc gtctcccgt gctcncgata ccgttgctgt anggtcctga cgcngaccga 360
 tcancg 366

<210> 12365
 <211> 291
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-D1
 <400> 12365

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 gtcgaacaaa atgtatatcg gaagacatan naagcaattc aatgaccgtc gggaaggtag 180
 accgtcgggt aaccctaacg gaaggctcan ncnttctcnt cantctcaca agatctccat 240
 caggagtgan catcgangtt acggggaana acggtnanna ancangcggg a 291

<210> 12366
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-D12
 <400> 12366

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 cagtcacgga aaattacgga acgattttggn ggaaacatta ccaanaccat acatggcaag 180
 agcattagca gctccagata cagagcatcc gaatggaaca gaaggtcacg atngcaaagg 240
 aatgagtgtt atgcaacaac atgttgcttt cttcgaccaa nacgacgatg gaatcgtcta 300
 tccttggggag acttataagg gatttcgtga ccttgggttc aaccaattt cctctatctt 360

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402

<210> 12367
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D2

<400> 12367

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aaggaggaga attctatggt gaaagtcata gattttggct tatcggactt tgtcagacca 180
gacgaaagac taaatgatat agtgggaagt gcatattacg tagcccctga agttctacac 240
agatcttata ccacagaagc ggatgtatgg agcataggag tcatagcata cattctccta 300
tgtggaagcc gtcctttttg ggcaangaac tgaaatcagg gaattttcag agcagttcta 360
g 361

<210> 12368
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D4

<400> 12368

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tcctgctccg aatctagaat gtcgtatgta cgaatcgaga taccctgatg tagacatggc 120
ggtgatgatt cagggtgaaga ccacgctga catgggagct tacgtatctc tccttgaata 180
caacaacatc gaaggaatga tcctgttctc cgagctctct cgccgctcgga ttcgtagtat 240
cagtagctta atcaaggctg gtcgtaccga nectgttatg ggccttccgt gtccataaga 300
gaanagaggt tacattgatc tcagtaaacg tagggttagt gatnaaggac naangaggct 360

<210> 12369
<211> 364

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-D5

 <400> 12369

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 aaccaccttg gaggagcaaa ggctttcaga acagtatagg gaagatgtca tgtttgcttc 120
 tcagggtgat cttgtgaatc agtgcttgaa gcttgagtgc cccacacctc agttgtcact 180
 ttgtcaagaa ctcgaagaan aaataagccg cgcaggaaaa accaaaagat tcaatcaaga 240
 aaataacctc atcgtttcaa gaaaagaagt tggacgcctt cttanaagta cagggcttga 300
 ttgggctaaa gaacatgatg tggatggcta caccgtggga tgttgctctg gtncgagaag 360
 aaag 364

<210> 12370
 <211> 358
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-D7

 <400> 12370

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 ttgtggtcga tgataacagc agcagcagca ggagcattct cggggctaca atgaaaagct 180
 cagattcatc gttcaaagat gattctgttc agtactgcac attctactct gttaatgaag 240
 tcaanangaa naanagtga agctggctaa tccatggaca caganagaan cattgngggg 300
 tcgtctacaa catanncgtg tncnaatgnc anttggggag aantcgntgg agncgtag 358

<210> 12371
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-076-Q1-E1-D8

 <400> 12371

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 gatctcaaag gaggcaaagg aatgagtgag ttccatgagg ttgaactcaa agttcgtgat 180
 tatgaattgg atcagtttgg tgttgatgaac aatgctgttt acgcaacta ctgtcaacac 240
 ggtcgacatg agtttctaga gagtatcggg atcaactgcg acgaagtagc acgttctggg 300
 gaagccttag caatttcaga gttgacaatg aagttccttt cacctttaca gcggagacaa 360

<210> 12372
 <211> 347
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-076-Q1-E1-E1
 <400> 12372

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 cggatcagta ctctctcgtc ttcgctaatt gtctccaaca ggtcaaaatc agtatggatg 180
 ttagatccgc tatgtataac cttgaaggta aaaagggagg tcgtgattat ctctctgctg 240
 gaagaantgt tcttcctaag gtcaatttct tattcccggt taacgaattt ctgnngnnng 300
 ngcnaggtgn gnnngnagcn ttcncagat nganaagcgg tgcnnna 347

<210> 12373
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-076-Q1-E1-C12
 <400> 12373

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 aacggcgggc tccaccgttg ccgccgggac cttggggcct tccattatc ggaaaccttc 180
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ttttcaaact ctggctcggg gccaaagctca caatcgtggt cacctcttct gaagtagcgc 300
aagagattct caaaacgaat gacatcatct tcgcgaacca cgatgtccct gctgtgggcc 360
ctgttaacac gtatggtggg tacggagata 390

<210> 12374
<211> 226
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-E11
<400> 12374

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atggtggatc tctcgttggt gaaactgggt tcccaacttc tttaatcgat ntctttgtta 180
agaatcncga tngtctcaaa aaagaatctt caaaacntaa caacag 226

<210> 12375
<211> 235
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-E5
<400> 12375

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agcnagcaga gcaattacgc cttggagtng acgctcgatc gtttcttcnc tccttacgct 180
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<210> 12376
<211> 367
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-E7
<400> 12376

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naagtcg 367

<210> 12377
<211> 353
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-076-Q1-E1-E8
<400> 12377

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tcggcttttt gaaaagtaca agggcatttt cattcctcct cttccagaga agagtgtctg 300
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<210> 12378
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-G5
<400> 12378

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gctcttccaa tctaagcac aagcaaagac aagggttcag ttcctttgct tatgaaggaa 180

ttacaccttc ccctttgttt gctgagccga ttgctagtca ggagttggtg aggctgcctg 240
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 atttcggatg gaggtctggt cttgcatcca ttctcttcaa acaaggaaat taggatgtca 360
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<210> 12379
 <211> 66
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-G6
 <400> 12379

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 acngca 66

<210> 12380
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-G8
 <400> 12380

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 ggggaacgaa catttacaat ctgtggaaat gcangattat ttagcccan aaattgttca 180
 aggcaaaggc catggttatg cagctgactg gtgggctctt ggagttttga tctactatat 240
 gctaagaagg agaaatgcca ttcgggtcat ggacagagag cgagctcgac acgtttcana 300
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<210> 12381
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12381

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 gatgcggccg ttgagaagaa gcctgcagcg aaaggacgaa agacgaagaa tgttaaggaa 180
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 aattnncaag agannantaa ngggtgccaa tgntaccttg aaagagagaa ntgggtntaa 300
 ccaatacgcg antcacaan ttcattccagg gngaancnta angngncttc cctccaacat 360
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 cana 424

<210> 12382
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12382

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 ggtcactaca atctgagtc tctgattctg attggaaccg gtttaatctt ggcttctctt 180
 cttctctctt cggttggaat ttcccggctg atgatttgtt cggtgggatc gaaaaagctg 240
 agtcactttc aagaagccac cgtctagcgg agaaaagacg ccgtgaccgg ataaattctc 300
 acctcactgc tctccggaaa cttgtcccca attccgacaa gttagacaaa gcagctctat 360
 tagcaacagt gattgaacaa gtgaaagaac tcaaacaaaa agcaaganga atcacg 416

<210> 12383
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12383

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aacacgtgga agttgcaa at gaacgaatgg caattcaaac gcttctcata acggacganc 120

ttttcaggaa ttctgacgtg aaaacaagga agaagtatgt gaatttggtg gagtcggtaa 180

aagattcggg aggagatgct tttatatattt cggcgatgca tgtgtcagga gaacaattgg 240

gcacagctga ctggaatagc agctcttctc aggttccctt tancaagaac tctggaagaca 300

ttganatgta aaaaaatctt cggcttatag aaaacantac ancangatca tacacatctc 360

tcataantta tagtttattt gtactcagtg tccataaang agattggaac ccant 415

<210> 12384

<211> 113

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-073-Q1-E1-H2

<400> 12384

actcccncc gcattcaang tagtccaact actaanatcc caaggaatca cgcgagtcag 60

aatcttcgac gcagacncat cagttctcaa agcattancc ggatctggaa tca 113

<210> 12385

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-073-Q1-E1-H3

<400> 12385

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tgtgttggtc ctgacagaga acagtaca at aaagaagatt tcccagtgga ttatgcaa at 120

gccatgttct ttatcatcaa gtcatacagt gaagatgatg tgcacaagag cattaaat at 180

aatgtttggg ctagcacacc aaatggaa ac aagaagcttg ctgcagcata ccaggaagct 240

caacagaaa ag ctggcggcng tcccatcttt ctgtttttct cggatcaatgc aagtggacaa 300

tttggttggtc ttgctgaa at gacaggacca gttgatttca acacaaatgt ggagtactgg 360

cagcaagata agtggaccgg ctctttcccc ctcaagtggc atattgtgaa ggatgtgc 418

<210> 12386
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H4

<400> 12386

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cttgacagaga aagtacncca nagagtttac ggaacttcca natccgccgt ttccgtanca 180
ancggcgacg gcgaaaagac tcaccgtcan acccatcatc acattcaccg tatcaaaagc 240
tacgacgaca tcgacgagga tgaatcatca ttgggagctt atccagatcg gtgctgagag 300
gactaagaac gtcttgatcc tcatgagcga tactggtggc ggtcaccgtg cttccgctga 360
agccattcgt gacgctttca agatcgaatt cgggggacan atattgacta anngtgaang 420
atgtgtg 427

<210> 12387
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H5

<400> 12387

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tgtccagggtg aagaaggcgt ggtttgatcg aggaggaatg acgcctttat gcattgatga 180
tggttggtta ttgatcata gtgaagggtga tggtgtgcgg attagtgatc tcgatgatcc 240
cggtagtggt cgtattgctc gtttattgag gacagtgaag aacttaatgg ttcaacagcc 300
agtgaagcag gaagagattc tggaaaatac acttgttctt gttccactct tgaaggagaa 360
ggcggctgac gtggtgaaga tattatctga ngggacactg gacttctact tg 412

<210> 12388
 <211> 331
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-H6

 <400> 12388

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 gattctagat tcgattcgtg attcttggtt ttgattctta atgtggtatc atagtttgga 180
 tcgttcaaaa agttgtaagt caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggngg ccgccctaaa 300
 ggntcnaanc ttanttacnc ntnnangcaa c 331

<210> 12389
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-B1

 <400> 12389

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 gagctccaca gtttccggaa atatctccga tggatgtgcg tagatcagtc gagtccttgg 180
 acggcggttc tatcatggtc tatgttcggt gttttcacgc tcgttggttc tgccacgtct 240
 cacttcatgc tcgcttgctc tgactgcat agccatcact ctaggccgta cgattccggt 300
 gttcagcttt ctcttagcag tttcgctgct ctttcgtttc tttgtctctc cagattcggt 360
 agcaagtatg gtctccgacg gttccnaatc cttgatnagc tttgggatga nanccagaac 420
 cttcgg 426

<210> 12390
 <211> 442

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-B4
 <400> 12392

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 aagccaaagg gtccatcacg cagcccatgg tacggatccg accgagtcaa gtacttgggt 120
 ccattctctg gcgagtcacc cagctacctt accggagagt tccctggaga ctacggatgg 180
 gacacagctg gtctatccgc tgaccccgag acattcgcaa ggaaccgtga gctagaagtt 240
 atccacagca ggtgggccat gctcggagcc ctangctgcg tctccctga gcttttggcc 300
 aagnaacgga gtcaacgttt gggagaggag tttggttcaa ngctggttca caaatTTTca 360
 acgaangacg gctccgatta cttggggaaa ccctaacctt gggttcaacg ctnaganca 420
 ntttggg 427

<210> 12393
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-B6
 <400> 12393

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 ttgcagagag gtttacctct tctcttgcaa cagtacacgg cgttgttcaa gaaaaacctt 120
 ttgctttcat ggcggagcaa acgagccacg tttcttcagc tcttcgcttc tttcttcttc 180
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 ctcaaaactg ttacggatcc gacggcgctg atatcgccgc cgattccgcc ttgtgaagat 300
 aaattcttcg tngaattctc cgttgctagg acnttgtnTG ggancggtaa tcggtagctc 360
 caagggtcac gcaaattggt aagtgnCnat tatgaangaa ntaatcctgg aangaagtta 420
 ntcctanttg angaaaggtn ccgat 445

<210> 12394
 <211> 413

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-G10

 <400> 12394

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 tgcgttaact ctttcagctt cagttccggn attgaagcca gcggaatgta ttggtgactt 180
 ttgtccatct gcaacgccag ctcatgtatgc gatgttcttt ggtgggcttt acctgatcgc 240
 tcttggaaact ggaggtatca aaccgtgtgt ctcatccttc ggtgccgatc aagtttgatg 300
 acacggactc tcgggaacga gttagaaaag cttcgttctt taactggttt tacntctcca 360
 tcaatattgg agcacttgtg tcactnagtc ctgaatttg gattcaagan aag 413

<210> 12395
 <211> 231
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-D7

 <400> 12395

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 ttttaagttt agtttctttg ttgcttttta agttaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa angggggggcc ncccaaannn ntcaaancna a 231

<210> 12396
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-D8

 <400> 12396

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atccttttacg ctcttcttct ccaaaggtct cacttcgcag ttccggtcat ttcgcgacga 120
 gtctttcttc aagtcactcc atttctgggc ttcgcgctgt tttgcctctg aagatttcta 180
 cagttgcttc cccaattct caaaagcttc attcttttac cgttttcgct cataagggct 240
 acaagatgaa gaccacaaag gcctcagcga agcgggttcag agtgacgggt agaggggaaga 300
 ttgtgaggag gagatctggg aaagcaagca tttgttagct aaagaagaac aacaaagaag 360
 gaaaattacg ttctaattccg aaaaatgacg ggaagttgaa accggaagcg actaattgac 420
 aaccgtngat cgggagg 437

<210> 12397
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-073-Q1-E1-D9
 <400> 12397

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 aattcgtata catggcgaaa ctgccgaac aagcagagcg ttacgaagaa atggttgaat 180
 tcatggagaa agtcgcgaaa gctgttgaca aagacgaact caccgtcgaa gaacgtaatc 240
 tcctctccgt cgcttataaa aacgtcatcg gagctcgctg tgcttcgtgg agaatcattt 300
 catcgatcga acaaaaggag gagtctcgcg gtaacgatga ccacgtttcg ttgatccgtg 360
 actacaagaa gcaaaatcga aacggaactt tccgaaatct gtgaag 406

<210> 12398
 <211> 56
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-E1
 <400> 12398

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<210> 12399
 <211> 412

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-E12

 <400> 12399

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 agattgcaga ttctactctc ttctttcttta tcttcgtctt ctctccctcg ttgcctctag 120
 ctcaatctca gcttccccgat ctgcaccac aagacaaagc ttctttattg atattcagag 180
 ttctgattca cgacctaaat cgaagcttat cgacatggta cggctcatcg tgttctaact 240
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 tgaatctctc cagtcagatt caccatctc tttgtaagct ctcttctctt caaagcttgg 360
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<210> 12400
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-E4

 <400> 12400

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 tccttgcggt ttggagcadc aatggcgatt gccttgctgt ggctaacaca tcgcagttac 120
 catctgattc ggtattatca gtaacaggct caacatcttc cgactggctt gagacaagct 180
 ggtatgtaac tggatcatcan agtggagcan ttaaagtatg gcggatgatt cattgtactg 240
 atccggtgag tgccgagagc aaaacaagta gtanacaacag aacaggaggg ctgaatttgg 300
 gtgatcaagt gccagaatac aagttgattc tacacaangt gttgaaattc cacaagcaac 360
 caagtcaccg cgctccatct cacaagcgac ctgaagcagt tacta 405

<210> 12401
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-073-Q1-E1-E5

<400> 12401

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caaaaatggc gattgtttcc gtctctaact cttttctcac tttcaattct cccaatcagc 120

tccgatttag ccgaagaaga ttctctgcc a tggcttcttc aactactgga gtgagagtcg 180

ctgaaggaga aggcaatttg ccaaaacttg tccttacttc tcctcagaac agcgaggctg 240

agatatatct ctteggaggc tgcattactt cttggaaagt tgcgagcgg aaagatcttc 300

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attgttttcc acaagtttgg acctggggcc 389

<210> 12402

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-073-Q1-E1-E6

<400> 12402

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gaatggcaat gctatctatc ttctccatat catctcgatt ctctcatca caaaactagt 120

catcttggtt tggccaaaat catatctctt atgcgatcgc tttcatccat ttttcgagat 180

gatgatcata ggaggagata tccatcttca atccctcttg actctaccat gaacttctac 240

ctatccctcg aaacaggtcg cttttggtt ccaagctcaa gtttacaacc gtgagaatgg 300

acatgtaggg ttcatgttgt catgctatga tgctgagctc agctatgaca ctgacactaa 360

tacttttcaa gctangtatc caccacatgg taaaagagca attgcggttg aaaaaga 417

<210> 12403

<211> 113

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-073-Q1-E1-E7

<400> 12403

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catatccatt gatgagctta ncattcccgt gccttgatga cgatnaatca aat 113

<210> 12404
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-E9

<400> 12404

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gcgtatgatc aatatctgct ctcacaccgc gtatccatct ttgtgccgac ctctggtgaa 180
acgtgtcacg agccctagaa aagccacgca ccgaaccatc caagctttgg aggctaagac 240
gaaactagct ctageccgaaa cagctagggt caaaaacggt aaccaagcgg tcagcacgtg 300
ttacgagaca ttggggcgacg cggttttacaa tttggcaagc gcgagaaaga gcataaggaa 360
acgtgatgtg ccggcgatga acacgtatct aactgccggc tgtgtctgat 410

<210> 12405
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-F1

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gttatatgtg gtagtaacga tatcgccaac gacttcttta ctctcccccc ggtccggcta 240
cactacaccg tcgcttcttt caccgctctt atggccgaca atgctcgttc ttttgcctcaa 300
gacactctat ggatatggag caagaagaat acttgtatct ggtgcaccac caataggatg 360
tgttccttcg cagagaaccg tagcaggagg ac 392

<210> 12406
<211> 416

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-F10

 <400> 12406

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 agaataggaa attggaagag ctaatgggtg ctggtaatgg cgaggataat gaagatgggg 300
 aagctgaaga tgaagtggat gcagaggatg aagaagcaga gcctgatgct tcaacatctg 360
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<210> 12407
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-073-Q1-E1-F2

 <400> 12407

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 tcctctccag tgtccccttg ataagctgat cgatgggtgt cagattgttg gtaagcatga 180
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 gcctcatgat ggacatccag tcagttcagc cacgtttgtg acatctcttg agagacctga 360
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<210> 12408
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-073-Q1-E1-F7

<400> 12408

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tagagaattt ttgttggtgt tgggttcaga tttggaaaat ttcctttttt tcgagtttct 180

tctgaattat tcatcgtgga gattctcgga tcgggaaggg ctgcgagagg tggttttcac 240

ggcgggggata gattcatctt ctgtcttctc ctgagggggg agccgaggct ccggcctcgg 300

cggtttttaa acccctacct ttacaaattc tgggaaatta gaaaaaaaaa ggtttgattt 360

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<210> 12409

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-D5

<400> 12409

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taatagcgtc tacatctcac cgtcaccgtc accgtccgac cactctctct cgcccaacct 180

taatctctgc atctcggcga tggaagagca gctggttggt gatgatgatg atgatgacct 240

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tcacggcttg cttcatatcg cacctaata cgaagaagaa actggatgcg acgaaaacgc 360

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<210> 12410

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-F8

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 tcatcaaata ctcagatctt gtctgagaaa ttaagctgaa atctgataaa tgggttttgt 240
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 acaagcttca caagcacaag ttctttcttca gctgaaaaaa cacttaagaa tatccacaac 360
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<210> 12411
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-F9
 <400> 12411

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 gacatacctc gagagcctct acaagtttga gaatcccatt gtagatgttt taggaattgc 360
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<210> 12412
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-A5
 <400> 12412

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 atcttggtt ctgagcagcg ggattactgt tcatcaggtc tgacaaagta tgttcctaag 180
 aagtctcgga agattactga agatttgaca tctcagcaat ttgatgttac tanagtggat 240

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 ttggatctgc aagaggaaaa tgatactgga agttacacga atgtgtcttg tgatgactct 360
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<210> 12413
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12413

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 gcgagatccg attctctaga tggggcaacg ctaatgccga acggttcgag cagcgtcncc 180
 ggagccaaga agaactcgag gctgagattc gtcgggaccg ccgattcgac gccgctacta 240
 aaatcgcca taccatgat tcccgaagca gcagctgctg agcctaaaac gtcaccgttt 300
 anatnaagan gcactccttc actttccctc tgctcggttc attccgggggt cnaaagatnc 360
 aaaatactcc aanaccgant caaggacccc antngaaccc aaagaacnaa ccttagagnt 420
 acccgant 428

<210> 12414
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12414

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 aacacaatca tcttcgcga ccttcgtcaa tctcgtcacc gagactgcta agaaatccaa 120
 ggaactcgct ctcgaagctt cgaagaaagc tgatcaattc aatgccgccg atttcgttgc 180
 tgaaacggct aagaaatcca aagaattcgc tgctgaagct tcaaagaagg cggatcagtt 240

caaagtcgcc gcgctgaaac aagctgatca gatccagaac atcaaatacga tcgctgatat 300
aatcgggacc gggaccgggt caggatccgg ttcagaagcg gagcttctcg aattcgggtgt 360
aacggatgat ttgagagagt tcgctgaagg cttgacctct gctanattcc aaactt 416

<210> 12415
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-B11
<400> 12415

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aatcgtcatt tttcacgagc ttatgctagt aacatgggag gttataagaa tgaaggattc 120
gttgaagttc tcgctgctca acagagtcct gaaaacccca actgggtcca ggggacagct 180
gatgccgtca ggcaatactt gtgggtgttc gaggagcata atgtcttgga gtatctcatt 240
cttgctgggg atcatttgta tagaatggac tatgagaagt ttattcaagc acatagggag 300
actgatgctg atatcacagt agctgcatta ccaatggacg agcaacgagc cactgctttt 360
gggctgatga agattgatga aggaaggacg tattantgaa tttgctgaa 409

<210> 12416
<211> 396
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-073-Q1-E1-B2
<400> 12416

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taaagctgtt tactttccct tgcgaattct ctctctctct actataaagc aatacccttt 120
tctttctttt ttggtaacct ccaaacccta ctttgtccag cgagaaagga agaggggttt 180
cgtctgattc cgctaaatct ctagtcttta tctaaagatc atggattccg atgatgatat 240
gcacgatatg gactcggtag attatgatta ttacagcggc ggcacctatg atgacaacga 300
tagtgatgaa actgatttcg ggtttggtga ggctgacacc gacgatgccg ccatcatcgc 360
ctcctatcgc tctaagagta attatgttgt tctcaa 396

<210> 12417
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-B3

 <400> 12417

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 ctgaattgaa tttgcattga tcgtagatga gaccaatcat taggttatca tctctcagta 180
 gaattagatg ggctctaagg aacaatcaag aacgttatcc ttcaactttc tactccaaaa 240
 gccgcaaact tttgatcggt gtcaatcaaa atcaagctct gctgaataca aacactgata 300
 attcaagttt gtattcaagg tcaagtatct ttagangctt atcagcagaa gcagtagaag 360
 cagctgatcc tgctactact anggtcaccc gtctcagatg tgaataagaa caag 414

<210> 12418
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-073-Q1-E1-B5

 <400> 12418

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 ctttcttctt cttcggaag aagttcaatt cgaaccctag ttatgggtcaa agcttcttcc 120
 tctgaacctt ccgagtctgt ttcagtctcc acgaagacca gtgacgacac tggagctggt 180
 gttgtgttca ctgctcctcc tggtttcaag ccaccggagc caaaacgggt cgccgtcaaa 240
 tccggaaaac tcttcgatgt cttgggtgca gcaattggat tgtttttccg attcggcact 300
 ggtgttttctg tttctgggta ctctgcatct tttgtgtcta aggaagagat tccagctgat 360
 cagtatgcgt tgcgtttagg cgggatcacg gtaaaggaaa ctgctaaggt cgggcc 416

<210> 12419
 <211> 382
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-C10
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 ggcgggaagg tctggagata aaggtggtga atccaccggc ggcggcgaca aacaatgtgg 120
 ctgtagaaac gtctccggcg acggcgacga ggagacggag acaacaacaa cgagcttcgt 180
 tcgtctagtt tagaccgttt aagctttggg ttccatggct tgttccagct atcgtgggtg 240
 ctaacattgc ccttttcgcc atttcgatgt ttattaacaa ttgtcctaag aactcggctt 300
 attgcttagc taggtttctt gggagatttg cttttcagcc tatgaaagag aatcctcttc 360
 tgggtccttc ttcnttgaca nt 382

<210> 12420
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-073-Q1-E1-C11
 <400> 12420
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 ttagtctctc ctcttagatt tttctctctt tccgtctctt attttttagta ttattatctc 180
 agcagaaaaa caaaaacact tttcatttct ttatttttct ttctcatttc gcataaatct 240
 ttgtcgccga gacgatttgt gtctgagaaa ctgagaagag gaatgggaga aacagttcat 300
 tgtggaagct tcttgtcttc aatgagggat ctaagtgaag atatttccaa tactttagc 360
 tattcaatgt attgtggagg tgataaaact ttgccttaag gggcagtaac aagag 415

<210> 12421
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-C3

<400> 12421

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cgtatcagac tgtcgagatt tggatgcaaa aatcgccat tttttaggg ttttggtgct 120

gatagcagat ctccaagaga cgggaagcat cttgaggtct taggttactt caatcctttg 180

ccaggccagg acggtggtaa gangatgggt ctcaagttcg atcgaattaa gtactgggta 240

tctgttgggt ctcagccatc agaccgggt caacgtctcc tattcagatc cggtttactt 300

cctcctcctc caatgggtggc caatgggacg ntaaagggtg ancacgagac acacgccna 360

tttgattccg ataactgggn cgctatgtgg atgcanagaa ataaancagt taatgccaaa 420

tgantg 426

<210> 12422

<211> 357

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-073-Q1-E1-C8

<400> 12422

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aagagatgta ctttaagaga atTTTTTTga agttttcaaa attaatcgaa ccaaacctaa 120

ctagttagtt attatgagtg tggctTTTTa gtgactggat ttgatgtcaa gtgattttac 180

tataaattga tcttaaattg ttttggaaaa tcttaagcgg actaatggga ttttatctca 240

ngatttggag aattcatttt tgaggcaatt aagtttttct gatattagta tattgctgaa 300

aaaatgaaaa acaataatta taaaaaagga aactataagt taaaaggaaa aaaaaag 357

<210> 12423

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-D1

<400> 12423

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tcacccctct agagatcgag accgtccgat ctggtttcac tctttgtttc ctttcttcgg 180
 tgatgatcct aggggtttctc ctccagaaga taaaatctcg cttctattga ttttgattct 240
 ctctattgct agcttgatct cagtttatgg gattattaat cacttgaatg ctccctattt 300
 atgtaaaaaa gatgggattg tgctaaactg tctcatgta aaagagtcac cttctccttg 360
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<210> 12424
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-D10

<400> 12424
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 agtttctcac tttctctctt ccattggctt ctactctct ttaacttctc cgtcacaaaa 120
 ttcgactctc tctattcca gtacccatca atttctcaac ccgtcttctt cgtttcccg 180
 ctggttatca gtctcatctc cgaagaatac ccgcatctt cgtctctctc tcacctccgc 240
 tttgaatcca cagacgggac agccgacgaa gaaggcctcc accggtagtg ataagagtag 300
 tacgaacaag aaacgtaaga aaaaggggaa aattgcgaaa cctgtggagg attgggaatt 360
 gagagattca naagacgctt ttgaggaag a 391

<210> 12425
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-D2

<400> 12425
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 ttttattggc gtttttaaga aaacaaagct tcccaatta gggttttgta ttagaagaat 120
 gggattgtgg aatggaaaat gcaccggagg atttactctc taccttctcg tggctttctc 180
 cgtcgccgctc ttctctgttt cttacgtcgg agacacaaca aaccctattc atcatcatc 240

ctcttctctc tctgccaccg aaaaaatttg gccggatttg aagtttaagc tggaancttg 300
 tgttggn tac agtgatagcg tttctangat cagcttgtn ggaactgttg tggtgttgga 360
 cgtggtgnga tttttgttcc tatgctcact cntagacncg gggtcgatan g 411

<210> 12426
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-073-Q1-E1-D4
 <400> 12426

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 cagcaagtga tggatgatgg gacagaaata tggttttagg aaacaaattc tttgtcactc 120
 cttcagactc tgtagctatc atcgagcca atgcacaaga agcaattcca tttttccgtg 180
 ctggctcctaa ggggctggca cgttctatgc cgacaagtgg tgctcttgat cgtgttgccg 240
 agaagttgaa gcttcctttc ttcgaggttc cactggatg gaaatttttt ggaaatctta 300
 tggatgctgg aaaattgtca atctgtggag aagagagctt tggcacaggt tctgatcaca 360
 tccgtgagaa ggatggaata tgggctgtgt tggcgtggct ttcgatcctt gctca 415

<210> 12427
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-073-Q1-E1-A3
 <400> 12427

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 acgcggcgga tgagcaatcc tagattcgac gccgcccga cgcgcgcacc aaccatcgta 120
 gacatccccg gaacaccacc acactcctcc gcttcttcac cactcaaacc cttcttctc 180
 tcttccccca ccgtatcacc aacaatcctc acggcggcta taatcgccgc ctggtttggc 240
 tcaaatatag gagtcctcct cttaaacaaa taccttctct tctactacgg tttccgttac 300
 ccaatcttcc tcaccatgac acacatgtta tcatgcgccg cctatagctc cgccgtaatc 360
 aatatcgccg gaatcggtgc acgtcagcac atcttatctc gccgtcagtt tctaaagatt 420

ctcc

424

<210> 12428
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-G1

<400> 12428

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cgcgggcacia aggactgcac tttgcaaggc aaaacgtggc agcttcaagg atacatttcc 180
agacgagttg cttgcctctg tattgagagc attgatagag aaaactaatg taaaccaag 240
tgaagttggt gacattgtan tgggtactgt tttgggacca ggatctcaga gagccagtga 300
atgcangatg gctgcgttct atgctggnnt ccccgaaact gttcccatca gaaccgtgaa 360
cagacagtgt tcatctgggc ttcaagctgt tgctgaant 399

<210> 12429
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-G3

<400> 12429

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cacaagaaaa attacaattc ttcttaatcc tcattattat atatataaat aaacttcaat 120
ctaagcttct tcgtaatttc tctttcgttc aatgttattc ttttagatct cgaacaaaac 180
aaaatctcca gaagaaaaaa ccaaattcca tggcgtctaa atcgaagcag catcttcggt 240
atcagccgcy aaaatctgtg tcacgatcaa cacaagcttt cacggtgctt atacttcttc 300
tcgtagtgat tctgattctt ctgggtctcg ggattttgtc actaccta at gctaatagaa 360
actcttccaa gacgaatgat ttgaccaaca ttgtacgaaa gagtgagacg agttctggag 420
atgaagaagg gaatggtgaa cgttgggttg aagttaantc cntgggagc 469

<210> 12430
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-G8

 <400> 12430

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 acgagatagg atcgtgcgcg tcaaaagaag ctggtactgc tgattccagc cgaagattag 180
 tctccgcttc tggttgttcc ggtggagact cgtcggaaat ganaggtctt ttcaaatacca 240
 aaccgcggac tcccgtgat attgttcgtc agactcgca tctctctctc tacgccgatc 300
 gatncaactc cttccctgan cttcgagagt ccaaacgccg anggaaaaga tggtggaact 360
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<210> 12431
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-H2

 <400> 12431

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 ctcaacgggtg gtgaattttc tatacggna gttcgntgnt ctttttatcg acantccnac 180
 ananattcat gatcatgggc gccactgctt cctccgaagc ttctgaagga ccagtgatgg 240
 gtctcatcaa caagcgtctc cgtgctctcc gtaagaaata caaccganc actcaaattg 300
 aanaatcgat ttctcaaggc aaaaccctaa acaaggagca agaagaagtc ctccgctcta 360
 aaantgccgt cgtcatcna atcnacgaac ttgaaaagat ccgtgctcnt ctctccgccg 420
 cnngtgacag angaaatcat cctcnctaata cagctttaac cgggtgcntca tg 472

<210> 12432
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-H5

<400> 12432

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 tcttcttctt cgtcttcnac gaaatcttac tcgaagaccg ataancctgg ccgatntaat 180
 ggcggtgatg cggaggatgg tggctctcga tggttcttgc cgtttatang cgctttgtta 240
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 acngggagcc tcttcattat nntctctaca agtcengatt tcagacntgg ggaatanagt 360
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<210> 12433
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-H6

<400> 12433

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 acgtaaagag tttctggtag aaattttccc tcttttaagc tgcagattgg catcagattc 180
 cgttctggat gtgtcggatg tcgattttcc gcgtcggatg tgatagctaa cggattcagag 240
 agtatggata aagaacgagt caggaaaacgt cctcgtatga cctgggacga agccccagct 300
 gaaccagagg ctaaaagggc tgtgattaaa ggacatggaa gcgatgggag gatttgtcac 360
 caccntang gggacatgaa tcngatggnc aataagggtt tcagttngan gggg 414

<210> 12434
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-H9

<400> 12434

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tgatgaccat tacaagattc gtgttgaatg aacaatcaaa gtatccagaa tctcggtggt 180
gatttcacca ttttgcttag tcacatcggt ttgggttgca nattcgtttg cagtgtgtgt 240
aanaaggctg gtttggttaa cgtaaattgg ncttgaggg gaaacaaaca ttcanggtga 300
agagcactag anacttgatg tgctctctaa gngatgtctt tgggtcaacnc tttggttang 360
caagtggggn gnacttctgg tncntgtctc gggnganag gattg 405

<210> 12435
<211> 56
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A10

<400> 12435

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<210> 12436
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A11

<400> 12436

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cgaaagccaa gttcttttct ttgttggtgt ttctgggttt attgcgacaa tgggagctga 180
gcatttttagc ctggtgaagt tcantagagg tttctttgtg tgtttatggg tgatgtcttc 240
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atttgaatag gctcaacaaa cctcctgtta agactattca nagtccagat gggagatata 360
 atcgactgta ttcctatttc aaaagcagcc aagcttttga ccaccccttc ctcaaagacc 420
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 ggannng 487

<210> 12437
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-071-Q1-E1-A12
 <400> 12437

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 ttacgggtct tgtttaggat aaaagaaatg cctgccggtg gattcgctcg cggggatggc 180
 caaaaggctt atccccgcaa actcactccc tttgttctct tcacttgctg tgttgctgcc 240
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 tctttcctca agcgattctt cccgtcgggtg tatcggaac aacaangagg acgcgtcaac 360
 gaaccagtac tgtcaagtac gatagcccga cgctaacgat gttcacatcg tctcnatata 420
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<210> 12438
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-071-Q1-E1-A2
 <400> 12438

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 ctttcgtctg cccaacagag attactgcct tcagtgaccg gcattcagaa tttngngaagt 180
 tgaacaccga agtattaggt gtttctgtcc atagtgtgtt cnctcacctt gcatgggtcc 240

aaacagacag gaaatctgga gggcttggtg atcngaacta tccccttaat tcagatgtca 300
ctaantcaat ctcaaagtcg ttcnnggagtg ctcaagccaa tgntnagggn atancactgn 360
gagggacntt ttngaaggcg aaaaagnaag ggnntgggtt ganaattccc ccntg 416

<210> 12439
<211> 400
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A3
<400> 12439

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ctctaccacg cggtttgtcc tttttactgt gatttcaacg gttaccagga tgagttactg 180
tggggagcgg catggctaca caaagcctcg aggaaacgag cgtacagaga attcattgtg 240
aagaacgagg tcattcttan ggctggagat accattaatg agtttgggtg ggacantaag 300
catgctggga ttaatgnctt aatctccang gaagtgttaa tgggaaaagc agngtanttg 360
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<210> 12440
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A4
<400> 12440

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cgatctgatt gggatgagta accgcgatct gatcgggatg agtaacagcg agcttctcac 180
cgtcgagcct ctcgatcttc aattcccttt tgaattgaag aagcagatct cttgctctct 240
ctatttgacg aacaagaccg acaataatgt tgcctttaag gttaagacga cgaatccgaa 300
aaagtattgt gttaggccta atactggagt tgttctccc aggtctactt gcgaaagttc 360

ctgtgaccat gnaaaactcaa aaggganctc cctnccgana atgggnantgn aaggggaaat 420
 ttninggttn aaagggng 439

<210> 12441
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-071-Q1-E1-A8
 <400> 12441

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 ttctttgggt gcaacttcac ctcacaaaat tttctctctt tttttatatt aatttgagtt 180
 aggccttttt gatttcatag atgagtcntc nagtcgtctg gatttgatgt ggttatagtc 240
 ttacagagac ctttgattga aataagaaca aaagcaagaa nacatacatc ctctcatct 300
 tanacncatc cgtttttang ttntcnangg gtttnanngt tttttaangt tanng 355

<210> 12442
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-071-Q1-E1-A9
 <400> 12442

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 tcatgaaata tggaattgga tactcaaaac ttggttcaaa tataatattc tgaatcgatt 120
 gaccagtaag gaaaacttga ctcatgtgcg tgataagatg gttcaactat ttggagctta 180
 taaaagaacc acatgcaaca ttgcagcaag cacttctcaa tcttcacgaa aggatatccc 240
 atttgatgat gatgggtttt actcttactt ttctcaaaga aatgggaactg gaaaatcacc 300
 attagatatg tacttggaan agcctgtgtt agatatggtc tcttttagag atatggatgt 360
 tattgcatat tgggaaaana atgtctcncg ntttaaanga antggcaacn atgggnag 417

<210> 12443

<211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-F8

<400> 12443

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 gtatccttct ttcaagcttc catgagggtt cttgtcagga tgatggtagt ggtttgagta 120
 atttggtatc aatagaacgt gattatcaag atagtgtcaa tgctcttcaa ggcaaggacg 180
 atgaagatca gtctgcaaag atacagagtg aaaaccagaa taacactaca gtgactgata 240
 agaacactat ttctctatct ctatcagatg aatctgaggt tggatctgtt agtgatgaaa 300
 gcgttggacg ttcgagtctg ttggatcaaa tcaaacttga attcgaagct catcacaata 360
 gtattaacca agctggatct gatggtgtca aggctgaatc caanggatga 410

<210> 12444
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-070-Q1-E1-B4

<400> 12444

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 gtagttaaaa ccctagccca gtctatttaa agattcaccg agtagtcttc tagtcttgcg 120
 tatacttctt cttcttcgtt tatacttaga agatgaattg tgcaatttcc ggccaagtgc 180
 cggaggagcc tgtggtttct aagaagtcgg gtttgcttta cgaagaagcg gctaattccag 240
 acgcataat ccgattatgg gaaatgcccg gttactgggt agccacatac tcttgatgac 300
 attgttccca tcaaaactgg ggaagatcgt aaagccgaaa ccattacaca cagctagcat 360
 ccctggattg cttggaacgt ttcagactga atgggacagt ttgatgctat ca 412

<210> 12445
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-070-Q1-E1-B6

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aggattctaa tccgtggttg caaacgaagg acccagaatt tcaatctttt tcagtttctg 180
gaatctcttg cttcgatcga atcactctca tgtctaacga agactctctt ccgcctttca 240
ctttgtttgg tttggatgat gtcgaaaatt acggtctggt cactgaagca gacaattcgt 300
tacctttaga tatacacaat caggtttttc aacttggtga gaagggaac cantcattca 360
aagagtctcg ctttgaagan gctantaagc aattattcna nagggaat 409

<210> 12448
<211> 85
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-C12
<400> 12448

ccagtnngcta ggtaantcgt ttcgttcgca acgttttaca catcnaccg tcccagtgac 60
atgtcaccca ntctggatga ctctg 85

<210> 12449
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-C4
<400> 12449

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ctcttctctc aatctcttgg ctcagaacaa agaagataaa aaaaaaagtg tgatatattg 120
tgagaagatt gcagaagcgt gtccaacttg gttccctctc tctctgaaat tactcaatca 180
tggggatttg cttgagtgt cagggtcaaag ctgagagctc aggagcgagt acgaagtatg 240
acgccaaaga tataggaagt cttgggagca aggcttcgtc tgtgtctgta agaccaagcc 300
ctcgaactga nggtgagatc ttacagtctc caaatctcaa gagtttttagc tttgctgaag 360
cttaaatacag caaccaagga attttagacc anacagtgtg cttggtgaag gtgggac 418

<210> 12450
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-C8

 <400> 12450

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 caaatgtgat cagagacaaa gcatacaaag aagttcctca ttcaaaaaag atttctcagc 120
 catcaaaatt ctcttttctc tcatccaaca aaaaaaaagc atacctcttt ttcttccata 180
 tagataagtt aattaagaaa acgaattatc aggttttggt tcggctgatc tgaggaagtt 240
 catctatgga tacggctcag tggccacagg agattgtagt gaagcccttg gaagaaatag 300
 taacaaacac atgccnaaag ccgcaaccgc aaccgcttca accgcaagca gccaccgtcg 360
 gtgggtggag agaggaaggc aaggccagaa aaggatnaag ctgtaaactg t 411

<210> 12451
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-D12

 <400> 12451

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 ataaagaaga gctgantcgc aattcttact caggtctggn caangaggct tctgagtcga 120
 ttttgctccc tagtgaatcc ggatttgacg gttctcggag tccggtttgc tctcgcgcg 180
 atccgaacct caactacaga cctgtcaneg gtatcctgag tcaccctgna gatgggtgcgt 240
 ctggtcgggt gaccaatgat acgangcncg acgtanatcg ctgcctcgt atgtgaagtt 300
 cgctgaggca ggtgggtgct cgtgttatcc cactcancta caaaggancc tgaaggaagt 360
 tgcnccttcc annaccgagn aantttggte ancggtng 398

<210> 12452
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-D2

<400> 12452

ctgttacgtt tgcccgtgcc cgggccgaaa attaacgggt cgacgcncgc gtccgaaaaa 60
gacaaaaata tatataaaaa agaaaaaaaa aagaaaaaaaa aataattgtc ttgctctgtt 120
ctatttaact tttcttatat ataaaaaaaa tggcgaaaaa tttactagca atatgtctgg 180
tgtttatggg tgcacgaagt gtggtttatg aagtgcagg gactttcttg ttaaagcttt 240
acttgaggag gaagtttccc agacgttgta tcnactttgc cccttatgct ggcaaaggta 300
tgttgatgct cgtgagcaac cttgaagggt gatgtccgc aactagagag ttcaaacaat 360
tcttttcaac gttcaagtct tacatgagct ttatcaagct caagcatcga tatccgcac 420
gaaaaacatc gatgtggaga tgaatgggag atgtgnattg cttccaagg ncaa 474

<210> 12453
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-D7

<400> 12453

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gtagagagag acagagagaa attaagggaa agagctcact tgtgtgactt gttctgtgag 120
aaaattctct aancaaaatt ctcaattttt tcagcttctt tctaattnat gcatattaaa 180
attcagagct tttaacttg aaagttgtca tctttgtctc agtcnctctc tctctctctc 240
gtttgcatag aagaaacaat ttttgtgttg anttagtcag ttcacctaata ctgaagagaa 300
nttaaaaagt ttggctaaan atttgtcaaa aanttaanac ttcntttca tggaagctca 360
acancttaat ctctttgggc ngtttcctta nctnaggttc ctttggaatc gc 412

<210> 12454
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-070-Q1-E1-D9

<400> 12454

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caagctgttt tggagtatct caaaggagga cagagcgacc aacaattccg cagaaaaactt 120
gcgtggaagg ccttttcagca tgttgctgca tatgattctg cggtttcaga atggctatgg 180
aagcagactg aaggaaaaga gaagtccctt cccagcttta cagttccgct tgtacttaag 240
agttctcttc gttacggtga aaatcctcat caaaaagctg cattttatgt tgataagagc 300
cttgctgaag tgaatgccgg tggatcgca acagcgantc agcatcatgg aaagganatg 360
tctacaaca actatcttga tgctgacgct gcatggaac 399
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<210> 12455

<211> 246

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-070-Q1-E1-E1

<400> 12455

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actccttgct tcagangaca tggaaggaga actggtgacg aggagaanaa agtctgttcg 120
tggnctgatt gtgagccctg atctctctgt tctgaacctt gtcattgtna ataanggtga 180
gaacgatctt cctgggctta ccgatactga gaagccaaga atgngaggac canagagang 240
cctcca 246
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<210> 12456

<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-070-Q1-E1-E2

<400> 12456

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tttttaaaaca atttctgtgt ctgtggattt ctacttgac gccgatggcg agaattgggg 60
ctaaaccag aaattgagga tttgaattct gctgctgcgg cgtctctgtg gtggtttgg 120
ttctcgtttc tgaaaatcta cgggtgtagta agtcggagat gcagttgaga tttagcaatg 180
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gacagggagg ataaccttcc ggttcaaccg gataaacctc cgaagagtct ggttcgtccc 240
 attttaaacc tggaacaac ttcgtcttct tcatcctctt cctcctcctc accggaactt 300
 ctacggcatt tgcaagccgc tttcaaagc catcgccac tcagtaaaat gcagacgacc 360
 aagtatcggg cctcgacgaa gtgttgctcc acaaaagaca agcttcaaga aaata 415

<210> 12457
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-E5
 <400> 12457

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 ggtgattctc agattcacia gcttttagag ctgaatttg attggcgagc tagaaatgtc 120
 gaggttttga ggaagaagca accacaaaag aggattgatt ttaagggctt ttttgtttgt 180
 ttccgatctt gcggcagaga tggcgtcaag gtttataaag tgtgtgaccg tcggagatgg 240
 tgccgtcgga aaaacttgca tgctcatttc ttacactagc aatacttttc ctactgatta 300
 tgtgccaaact gttttcgaca acttcagtgc taatgtgggt gttgatggca acactgtcaa 360
 tcttggttg tgggaaactg ctgggtcaan aaggacacaa c 401

<210> 12458
 <211> 76
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-E9
 <400> 12458

gttttgatta gatctttgan tccaagttcc taattctngc taactcttcg atccggtgca 60
 gtanctcatc ttttgt 76

<210> 12459
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-F2

<400> 12459

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aaacacacaa agcaacttct tcttcttggt cggcttttat catctctgaa aattgcttta  120
tttggttgaa ttcattggat tgttgatcga gattggttta ctgaggtgat cgaaagtatg  180
gaggaagatc gtggggaagc gatcgtttta gatatttcgc cggagattaa taatactccg  240
gcggtaatga tgagagttcc acggaggatt cgtgagaggc ttttgtctga ctgtagtaat  300
aagaagacag tatcttctgt tcaagatatt gaaagacaag cttcttcatg cncatctaac  360
gaagacagca attttatcat aacgtttccg angaaaggct cgtgcnaaac cctagaagtc  420
cttcacgatc atctgatgaa gaacttgggc caacgaatcg aagcaagact tct          473
  
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<210> 12460
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-F7

<400> 12460

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aaacgagctg ttcatatata ttttaaagaa caaaaactaa aaaaaaaaaa aaaaaaaaaa   60
actttgacaa aaaaaaaaaa tgtcatatgg atacgacgat gaggatgcaa agaggaaaaa  120
gagatatgta attatctcta tctcctctgt tcttttaatc tccatggttg tcgctgttac  180
cataggtggt agcgtcaaca agtccgataa cgctgggtgac gaagaaatca caacttctgt  240
taaagccatc aaagatgttt gtgcaccgac ggattacaaa gagacttggtg aggatacact  300
aaggaaagat gcgaaggaca catcagaccc gttggagctg gtgaagacag cttttaacgc  360
ancgatgaaa caaataagtg acgtggcaaa gaagtcacaa actatgattg agcc          414
  
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<210> 12461
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-070-Q1-E1-B2

aaagcactaa ganaacatgt tcaagttcac agtaggtgaa tattccgaag agaanangnt 420
acnaaagggt t 431

<210> 12464
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-G10

<400> 12464

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gaaacattcg tttggaactg aagggtcccaa ggaaaagaaa gctcgtataa agaggatctt 120
tgcagcaggg aaagctttga ccagtgtgat caaagttgat cagaatcatg tatattttga 180
ttcaaagaan aagaagtttc ttggttggtgt aaaaccggca gatgactttc tggattctca 240
ttcaagccca cctanagctt gtaatgcttt gcaagataac caggtaatga tanatcataa 300
ctcgccaata atgcagcttg atcaacagat ttatatgggt gaggaagatn atgatgatga 360
antaattggt ttcaagccgc ttggttactga aangaggaaa nangcttctg accaaat 417

<210> 12465
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-G2

<400> 12465

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agcttcatcg tactaacatt attgtccatc gtcttaactc aaatctatgg tttgagaagc 180
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gctgcggtcg gggttgctcc attggtgtan gacaaaaaac ttgctgcca tgcacagang 300
tacgtaacg tacgttccca agactgcgcc atgaaatatt ccaccgacgg aacgtacgga 360
gagaatatag ccgccgggtg ggtccancct atggacacca tgaagcggtc cgatcgcaac 420

aaaagttttg gnttacnggg anaagcctta ttacaattan gccacccaac gananncngt 480
gagaccgntg 490

<210> 12466
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-G7

<400> 12466

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tgccattttc cattcttctc taccaatcgc atctctttct ctgaccttgt tccatectc 120
gactcaatth ctcaaattgt ttgtcatca tccaaacaag gttaagatcc ctangcaggc 180
ttcttctctc actcatctct ctctttcttc tgtctctctt ttctcttctt ccagaatctc 240
tttcanatcc accatcgctg ctaacctctt tcaatccctt ctctccatcg tcnctcgctg 300
tcgcggtgat ccttctctcg cngcngctct ccgcggtgct gctgtcgtct gggttccgca 360
atgacctcgg tgtccacgac aacgaatgtc tcaactccgc caacgacgag tgcgtctcgg 420

<210> 12467
<211> 101
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-H1

<400> 12467

ntccctaanc taggcaaaaag aagcggcant gaaggccatc aaggagtggg gccagcccaa 60
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<210> 12468
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-069-Q1-E1-H10

<400> 12468
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 tgttggtgtt ctattcatat gtggtgctct ctggaggaaa cccacctcca aagaaattga 120
 aaccatctgc gactagtcc tcatactgaa gggactttac ataggtttag atttaaaaaa 180
 gtggagatct tctctctttt gataactctg gtctgttgga ttactgggtg aattttatac 240
 tctttacgaa ttgatacact tggttttgtt tgtgacctgt tctttccagt gtcataatct 300
 aaagttttga ttttcttaaa aaaaaaaaaa naaaaaaagg gcgg 344

<210> 12469
 <211> 205
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-069-Q1-E1-H2

<400> 12469
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 ccacaagtct ttgcgttttc ccctengcat tttgtgtttc atttgcttca gtttgttccc 120
 agaatttgtc ttantttcca natattgctg ttgttggant aatggatttt cagtttgatc 180
 ttccnttgtc taaaaaaaaa aangg 205

<210> 12470
 <211> 70
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-069-Q1-E1-H3

<400> 12470
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 ccaataacat 70

<210> 12471
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<400> 12473

ctcttttttct ccacccgcga gaagataatg agagtttctgc cggcggcaac actctcagtc 60

tcttttgacta ctccactacc tataacttta accaaagctc gtttctccgg cgaaccattg 120

cgactcaaac aatatgtttt gagtaatcan atttgctccc gaccaaaca tctcctctca 180

gagtttaaac ccaccagaag atggaccttc tcttgcaaat gccgtaacag aggaagaaat 240

ggttaccgcg aaattcgatg acgaaggana agatttcatt gttgttaact tctancggtt 300

tgtatcaatc ggagatcctg anctgagat tgagaagcaa ctctcattct taaaaggatt 360

tgaatatacg aaggcgaatg atatnctcaa ntgaanaang ggg 403

<210> 12474

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-070-Q1-E1-A5

<400> 12474

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aaggattcta tgccgcaaga gcttcgattg tatcctctct gaggattggg caa caa 120

taccatggat aacaatagcg agcgcgaagg aaaacgaatc gataaggata atattcgtgt 180

caagcggaaa actttgcaag ctttgctcaa tgattgccag agagccctcg caa caa 240

cttagccgaa gtcagttctg aagacgatga agatgataaa agca caa agggaagtgg 300

gtcaaaagag agcaggggag aagtttcttc ttccgatcga gaagatcctg aagctgatga 360

attatatgat ctcatcaaat ccaaggggtg aatgtgatga cntcccttga aaagattgat 420

g 421

<210> 12475

<211> 224

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-070-Q1-E1-A7

<400> 12475

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 atgcttttctt ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa 180
 anaaaaaaaa aaaannaaaa anannaaaaa nanaaaaanaa naaa 224

<210> 12476
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-A9
 <400> 12476

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 taatgtcaaa ccagattgc cgcccttctg atctatgctt gagggctctcg tacttgatca 180
 gatgcgttgg ggatctcgac acggcggcga agtacgctcg tttggctggt ttcaccagca 240
 tcaaatcgga gtcaacaaca acaatatgtc aatccatcat cggaggcatg ttacgggata 300
 aaaggctcaa ggacgcttat gatctctacg agttcttctt caatcagcat aacctcaaga 360
 cccaacaagc cattggctgg gnactacatc a 391

<210> 12477
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-069-Q1-E1-F8
 <400> 12477

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 aatgggacgg tttcggagca gattttacat gnaaggga accgctacaa ctacctgaat 120
 cagtggttcc agaagccttt anagaatggg aagtgaaggt gttcgattgg cagacgcagt 180
 gtccactct tgccagccc anctcactat cctttcttta caagtccatc anactccncc 240
 ccacnnttgg atgtnaagct gatncatcca cncgttacag catcgaccag aggatcatcg 300

ggggaggcaa atcctctgca tnancctttt cgtatnctgt cacnggctcc taatgtcnct 360
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<210> 12478
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-B10
 <400> 12478

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 aagctcggga gttactatga ttcttcgctg atcataaaat atggcggaat cagcgatgtt 180
 gttggtaaga agcaggagct ttttctaagt gtttcggtga aancagtga agacaaaggt 240
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 gaagttcctt naaaccaaag acccgtgant gagtattcgt ctctnanagga acgaatgttg 360
 tantcatggg ggagaattgg ggtccaagcg aaatcnttag tcttcgaaag tggtccttng 420
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<210> 12479
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-070-Q1-E1-B11
 <400> 12479

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 gaccatagga agcaaattga attagaggaa gctcgtaaag ccgggcttgc tccagctgag 180
 gttgatgagg atggaaagga aattaatcct catattccgc agtatatgtc atctgtcca 240
 tggatatcta attctgaaaa accgagtttg aagcatcaaa ggaaatggaa gagtgatccc 300

aattacacta agtcgtggta tgatagaggt gcaaagatct ttcaagctga aaaataccgc 360
aaggggancg tgtcaaaact gtggtgcaat gacgcatact gctaaagctt gtatgggata 420
agcctcgtaa agattggggc gaagtacaca aacat 455

<210> 12480
<211> 382
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-B12
<400> 12480

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atgggagacc caacactcta ctctgttttt cgtacaacac aagtctctct tcaagctgtt 180
tctgattctc ttctctccaa caagttccat ggttactctc ctaccgtcgg tcttccccaa 240
nctcgaaggg caatagcaga gtatctatcg cgtgatcttc catacaaact ttcacaggat 300
gatgtgttta tcacatcggg ttgcacgcaa agcgatnnt gtagcattgt cgatgttagn 360
tcgtcccaan gggctaataa tc 382

<210> 12481
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C5
<400> 12481

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aatgggagaa tcatcaaate caatggctac aagttcttct tctcctcct cctcaattcc 180
tccttcgtct ccaacacct ctccgacgtc cacaaccact ccgccacgtc aacatcctct 240
cctccagcca ccatcttcaa aaaagaagaa aaacagaaca aacgttttca gagtcttacg 300
cacctgtgtt cgatctttcg caatctttac aannancatc cgtagcatgc aaaatcccgg 360

ttananatcc ccggtttaag gcttaacggg atcacatcac nancaggtca nngaatacaac 420
gggnag 426

<210> 12482
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-C7

<400> 12482

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aagactcaga ttgggggtcac atgctaagag agagagaggg aaggcttttg tttttttgat 180
gggtttggga atggtttttta acgagttcta aagccacaca cttgagagac agagaaacca 240
tactactaa tctctgcatt tctttaagag gtcagagatt ctttctatat taagtattat 300
cattatcatg tgcaccttct ttttttttcg ttattgttgt tgaacgtttt tttgaaggcg 360
aaacagagag aaaagtaata ttttttggtg 390

<210> 12483
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C8

<400> 12483

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<210> 12484
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-D1

<400> 12484

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 caatatctgt ctttatgctc gctgctgtgt ccgaggccat cttccctcta ccgtttctac 180
 cgttcctccc tgggttcaac aacggcttta gggacaatga ggctgtcaag gttgcgaaac 240
 cacagcctgc aggagcagtt ggtggaaaag ccgcaagaag gcagcgtggc ggcggtttag 300
 acgctcagac aacctggggg gggtaagtgg gaagctcttc ttggaaaact cgggtgtgtc 360
 agggatgcat gngatcctta tgccanttat caacaangtc cagttctatg acgccancat 420
 ttgggtg 427

<210> 12485
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-D10
 <400> 12485

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 caaccaccaa caccacaacc ctagccgttc ctgcattcgc gaatccaang tggatcgaaa 180
 tcaaaactct ctcgaaacga tcaatgcnc aattcacgaag acaaccagag ctattcggaa 240
 tcagaatcgc ctctgttggt atcaccggnt tcattctcgc caccgtgttc tggcgattag 300
 ataattcgcc taaaggagtt cangagcggg tanggttctt cgccttcncg atgtcgacaa 360
 tgttcnacac ttgcgccgat gcgttaccan gtttttctcc agggaaacgtt anatcttcac 420
 tngagagaan tgcttacaag gcntancggg nnntcgncca tnnggttc 468

<210> 12486
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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tcttcgtttc ccgtctcggt atcagtctca tctccgaaga ataccgcga tcttcgtctc 180
ctcatcacct ccgctttgaa tccacagacg ggacagccga cgaagaaggc ctccaccggt 240
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gaggattggg aattgagaga ttcagaagac gcttttgagg aagatgatga tgccgattat 360
tcttcttctt cgagttctct aagcaacttt taactctctt cctaacatan ccaaancanc 420
tg 422

<210> 12487
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-068-Q1-E1-D3
<400> 12487

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atgacatagt cggattcgct ctctatatgc accagcagat cccttcggta ttacaagaca 180
tgagccttga atttgaagga ttgcaaactg aatttatgga tttggagacg aatcttgcag 240
aacctcaagt gaaaccactg gttagaagaa aactgatgag tagaaagaga gaggtgaaga 300
atgagattaa gaaactggag aaactgatga aaaccatctc tagtctccga agtgcgctgc 360
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<210> 12488
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-068-Q1-E1-D4
<400> 12488

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aataaaaaaa aataaaaaaga agcagaaaag agataatgca gggtagtagg cttttgacgg 120
tgttggtgtg cctcgctctc acggtggcgt tggtagcgc cggtgaccct tacttctact 180

acacgtggaa cgtaacctac ggaaccgccg cgcctctcgg aattcctcaa caggtgattc 240
tcatcaacgg acagttccct ggtcctaacc taaactcaac ctccaacaac aatgtcgtca 300
tcaatgtctt caacaacctc gacgaagcct ttcctcttga cctggaagtg gactccagca 360
caggaagaac tcatggcaag atggtgtgac tggggacctc atgccaatc ccagcaggca 420
ccg 423

<210> 12489
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-068-Q1-E1-D5
<400> 12489

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ccgttgattc tggctctaaga aaccagatcc caatcataga catgagtctt ctgtgttctt 180
caacctccat ggattctgag attgacaagc ttgactctgc ttgcaaagag tggggatttt 240
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aagacttctt caaccttccc atggaagaga agaagaattt gtggcaacaa cccgatgaga 360
tcgaagggtt tggacaagta tttgtggttt cagaagagca gaaactcga 409

<210> 12490
<211> 419
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-068-Q1-E1-D6
<400> 12490

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tcttcttcta taggacaacg tttttttaca cattgaggct aaaagagaga tggctgatga 180
tcagagttca agtactgacc gtctcgtgaa acctgaaagt ttaaactcag atagaggatc 240
caatcaatct attgaatctt ctggagagag ttctagagct cagggttcca caagcctgtc 300

tactactaaa tctatggatg gtaagaaaac cgaggaagaa gagacaacgg aacaacgcga 360
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<210> 12491
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-D7
 <400> 12491

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 aaggtgcggc gatgattagg accaanggtg aagctggaac cggtaacatt attgaagctg 360
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<210> 12492
 <211> 365
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 <213> Arabidopsis thaliana
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 tgnccagaagc tcttgggact gccttcnctc aatacggcna cgttattgat tccaagatca 180
 ttaacgatcg tgatactgga agatcaacgg gattcggntt cgnccacttc aaggatgata 240
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 ncggt 365

<210> 12493
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-E4

<400> 12493

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 caaaatcaac tacaagggtc tcgaacttga tctcgggtcat gaagaggatc atgaagttac 180
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 cctccagatt ccaataactt gggaaccttt gtcccccggtg gacgacaaag atnacaataa 360
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 cgtnG 425

<210> 12494
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-F10

<400> 12494

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 atattcaatc ccgtacaagg tgttacggng taggagtaga agattangac tcgtcgtcag 180
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<210> 12495
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-F11

<400> 12495

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tctcaattcn catcttattc tccgtacttc caancttctt gntgatgaag atcctggatt 180
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ggttatatag aancagcaag gggaaattga ggaggcagct gaattanaga ccccggnacc 420
tgaaaatttt gancgatagt gtngnaagcn cgtnngcagt ngggtgggna naantntgc 479
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<210> 12496
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-F12

<400> 12496

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aanagagaag aagttgtcaa taaaattctt ctcggggagg tttttaccac agatgattat 180
ggttgctgcc ttaaagacca tgacacttta acgaagctga gaataggttt caatgctgtg 240
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ttcatcnang cattgctttc tgcaaacaaa aggactgata ttganggaaa ggttaccggg 360
gttttaagct ttttgcaagt acctagtcca gaactccaat atgctctaca gggttcagcaa 420
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<211> 397
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12499

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<210> 12500
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 caaccgggaa aagggaaaca gaagagagac acggttactg ggaattctgt ctttcgttca 180
 cagtactgtg tggaaagtgt tgtttggaag gggtgctgat tcacttgaaa aaggaacaga 240
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 tccaaaagac atgggaacat tcaactgagg agcggtttgtt gctggcatan tgaanggagt 360
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<210> 12501
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-A9

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 gatgacttca catggaagtt atcttcatca acggaactgt ctcagggatc ggagatactt 180
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<210> 12502
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-B10

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 cgagggtgata gctacatag aaaaattgac gancaaaatc gtgcaacnaa agactttttg 180
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 cttggatctt gaggggatga ttgcgcttct tgaaaagtcg tcggnaatca agatgggtgct 360
 tacattgggg tgcatgaaat ctggacatgt gattacgtga agaaggaagt ccaatnggta 420
 ataagcctga g 431

<210> 12503
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-B12

<400> 12503

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tcaaagcctg tcgatgacaa gatcatggag attgcttccc ttgagaagtt tcttcaggag 180

aggatcaagg tcggtggcaa agctggtgca cttggtgatt ctgtcacaat cacacgtgag 240

aagagcaaga tcaactgtcac tgcagatggc caattctcca agaggatatt gaagtacttg 300

acaagaagt acctgaagaa gcacaatgta agggattggc tcagagtgat ttgcagcaaa 360

caaggaccgt aacctctatg agttgaggta cttcaacant gcctgagaaa cnnaaggng 419

<210> 12504

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-B2

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tatgggacct atctagtaac tttgttttca cggaggagga cattggtaag aatagagcac 180

ttgcttctgt tcacaagttg caagaactca acaatgctgt ggctgtctca actttgactg 240

ggaagttaac caaagagcag ctttctgatt tccaggttgt ggtattttgt gatattctct 300

ttgagaaagc gacagagatt gatgattatt gtcacaagtc atcaagcctc ctattgcatt 360

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<223> Clone ID: LIB25-068-Q1-E1-B3

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tgcaatggct gagagtgcac taaggaagag agacttgagt gggaatgctt cttctcttcc 300
tcgtcgtccc aagctaccaa gaggaaatct gcctcattca aagaattatc ctgaaacttt 360
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<210> 12508
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-B9

<400> 12508

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tcggagatgg aggttttgcc ggaggatgaa gactacagtt tcanggaagt antgttgccg 180
tctttgattc cggtagtgcc ggagccggaa cttgagagag acagcggnga naggagaaga 240
ggaaganatg ttatcgtagc cgttgatcat ggtcccaata gcaaacacgc ttttgattgg 300
gctcttggtc atttctgtcg tctcgccgat actctccatc ntgtccacgc cgtctcaact 360
gtnaagaacg atgttggtga tgagacgac caanccctca tggagaaact tgctgttgag 420
gcgtancaag ttccangga aacactgtgg ccncngtttg ttgaaaggng anncc 474

<210> 12509
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C1

<400> 12509

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atcgctaaag ctgaagagag tactgaaggt gaaactgagg ctgttggtga gaatgctgtt 120
gaaactgaag cggaaggaga aggagaagcc actgttgccg cggaaggagc taaacctccg 180

tggaagacga gagtcaagct cggagatatc atgggggtac tgaacaagaa agctattgag 240
gttgacagaga ctgtaagacc gggttcctgga cttaggactg gggatattgt agaaatcaaa 300
ctggaagttc ctgagaacaa acgtaggcta tctatctaca aaggattgt gatgtctaga 360
caaaatgcaa gcatccacac tactatcccg tatccggagg atattgcang g 411

<210> 12510
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C10

<400> 12510

nnanggaact gttagcctnn cgtacgcctc cgaaaattcc aaggctnacc cacgcgtccg 60
cagacttcca agatcagtag cttctacaac attaacatca acacctatgt tgttgtttgt 120
aagatttgtg tgaagtcatt ttcttgattc ccaagggat caagaacatg acttcactca 180
aacatctaga catatccaac aacaacattt caagtcttcc tccagaactg ggtttgcttg 240
agcctacact tgagggttcta cgacttgacg ggaaccatt aagaagtatc aggaggccaa 300
ttctanaaag aggaacaaaa gctgtgttga actacctgaa agacagactt ccagatcagt 360
agcttctaca acattaacat caacacctat gttgttggtt gtaagatttg tgtgaacacc 420
agantgatth tattgatgan aaatgcgtgt gtcccggtgc cgaagatagt ttcaactttt 480
gggtggggggt gng 493

<210> 12511
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C11

<400> 12511

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aaagtaaatg caattgaaac ggagggaata ttcgccggcg aatttccggt aaatgtctga 120
gtggtttatc agtaggaatc ctactttttc gacggcattc ccaagtagtt gtattacagt 180

tgtaaattccc aattttatttc tctttttcttc agaattcgat tcgtatactc ctcaatgcct 240
 atttaatagt ttaaccacca ccatgcgtct ctctaaacgc caactctcgc ttctctcttc 300
 tctctgcttc tctactttct ctctcgttc ccgtttccat cattttctctg gaaaatatcc 360
 agctcctcga agagaatttc tccacactac tgggacaagc canctgtgtt ttaagagttc 420
 gatgnnaaga tcagaaaccg agtgctctca gtgaaaaatg tgttgagtt tcag 474

<210> 12512
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-A3

<400> 12512

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 ccttgaggaa atctgggaga ggaaagatcg anatcaaacg gatcganaac acaacgaatc 180
 gtcaagtcac tttttgcaaa cgtagaaatg gtttgctcaa gaaagcttac gagctctctg 240
 ttctttgtga tgctgaagtc gcaactcatcg tcttctctag ccgtgggtcgt ctctatgagt 300
 actctaaca cagtgtaaaa gggactattg agaggtacaa gaaggcaata tcngggcaat 360
 tctaacaccg ggatcgggtg gcagaaatta atgcacagta ttaccncaa agng 414

<210> 12513
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-067-Q1-E1-F5

<400> 12513

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 aaattcccaa cactatcatt cccttcttcc tctataaaga atcatcactt cttcttcttc 120
 tcaatggatc cttgggatac ttataacata ccactagacc accaacaccg tctccgtaac 180
 cgccgtgacc accgtcatcc ttcttcttcc tctactctcc tcgaccaaatt ttaccgctcc 240

6086

<223> Clone ID: LIB25-067-Q1-E1-G3

<400> 12516

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gcaggactcg aggggggtgga taaattaggg agaacacccat taatcttagc ttgtacgaac 120
gacgatctat atgatgtagc aaaaactctg cttgagttgg gctccaatgt caatgcttat 180
cgttctgggtt gcaatgggtg gactcctctg caccatgctg caaaaagagg tctcgtacac 240
acgggttaagt tacttctgtc tcacggtgca aatccattgg ttcttgatga tgatgttaag 300
acagctctcg aggttgctag agatgaaggt tacagtaatg tcgtacgcgc aatcgagagt 360
catatctgct tgttctccgg ttgtatgcgt gagtaatccg gctccaacnt gcttaattta 420

<210> 12517

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-G4

<400> 12517

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ctatgcttga tgtcgcaaag cttagactac cctctttcga tactgattcg gattccctta 120
tatcagacag gcagtggact tatacaaggc ccgatgggcc ttccactgag gcgaagtatt 180
tagaagcttt agcctctgag acacttctca caagcgatga agcagtagtt gtagcagcag 240
cagctgaagc agtcgccctt gcaagagctg ctgtcaaagt tgccaaagat gcaacattat 300
ttaagaacag taacaacacg aacctattaa cttcgtcaac ggccgacaaa cgctccaagt 360
gggaccaagt ttactgagaa ggaacgtgct ggcatattgg ggcatctagc ggtttccgga 420
caatgg 426

<210> 12518

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-067-Q1-E1-G5

<400> 12518

6088

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ctagcaggga gcacagctta agaactagac aacgtagttt ctgttgccan ntcgntnttt 120
catnngcctc ttctgccttc ctccatatag actggtgggt gaaaactgtg ggcgtatttc 180
acaagcactc catatccatg ataactatgc tatggtttca agcagtagag tcaacctctg 240
ttagacagaa gaagctggag aagaagataa atggtgatct tagtttatat gaagaagcgt 300
ctatatgaaa atctcaagta agtagccaac taagtgtttt gatggattgt tagacctatg 360
attttgcagc cataggattt tttttcgttt ttttttccat tcaactatgt ttttggttac 420
tat 423

<210> 12519
<211> 393
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-067-Q1-E1-G7
<400> 12519

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cacttatggg ccttgagctc caagtcacga ttgggtccat gggagaagat acagggacca 120
aaaacgcgat cttgaacggt gttgagggtc tgaagatgag caattccgtg aacagccttg 180
atggagagtt tggagtggat ggtagaacca ctggcatggg gaagcatggt atggtagcaa 240
ccgcgggggt tgtgatgatg tttggagctt tcattgggtc gggagccatg gtttacaagt 300
ggaagaagag gccacaagat tggcagaaga gaaatagttt ctcctcttgg ttgctaccaa 360
tacatgcctg gtgataaac tttcatggac aag 393

<210> 12520
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H1
<400> 12520

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cctcagttca agtgcaccacc tgattctttc tctattcact tccgaacctc tttctgtgcc 120
cctaaacaca acaagggttc agtctttcttc caaccgcaat gtgcagtatc cacttcaccg 180
gcgttattaa cttctatgct tgatgtcgca aagcttagac taccctcttt cgatactgat 240
tcggattccc ttatatcaag acaggcagtg gacttataca aggcccgatg gtccttccac 300
tgaggcgaag tatttagaag ctttagcctc tgagacactt ctcacaagcg atgaagcagt 360
agttgtagca agcagcaagc tgaagcagtc gcccttgcaa agaactggct gtcaaagttg 420
ncaaaa 426

<210> 12521
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H12
<400> 12521

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taactttggt gcagaacttg attgcatttt atcgttggct tgtgtagccc atcagaataa 120
ctacgtaagg cctgtcctga cagtagaatc attgcttgat attcgaaatg gaangcatgt 180
tttgcaggaa atggctgtag atacttttat cccaaacgac actgaaatca atgataatgg 240
acgaattcat ataattaccg ggcctaatta ctcaggaaaa gagcatatat gttaaagcagg 300
tggcgtaaat tgttttccta tcccatattg gnaanccttt gtaccancaa gatncancaa 360
cctgttgggt taactggaca gggatccttt gtgcaantgg g 401

<210> 12522
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H2
<400> 12522

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gaggtgaggc gggttatggc tggtcatttt gaccgacagc agatggatac tgcttataga 120

gatttgactt tcaggaatc aaacgctagc catgttccca atttccagag gccacttttg 180
 aggaagaatg tagggggaag aatgtctgca ggccggagga ggagttttga tgatagccaa 240
 ctgcaaattg gtgacatatc aaattttgtt gatgggtccag cttccctgaa cgaggccctt 300
 aacgacggac tgaactcaag ttctgattgg tgtgccagag ttgcagcttt taattttctc 360
 caaactctgc tgcagcaagg cccaaaaggt gctcaagaag taattcaaaa gttttgagaa 420
 agtaatgaaa ctatttctcc ggcatttgga tgatcctcan cacaaggtcg cacaagcaa 480
 caa 483

<210> 12523
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-067-Q1-E1-H3
 <400> 12523

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 tgggtggttc tcaactttcta gattctcttc tgttttcaag aaagatccca aaaccaatct 120
 ccaccaccac tctctctect cttccaccgc aacaaccgcc gcagctccgt cgtcggtgaa 180
 gagaatgagc tcaacagcta aagaagtaat acggaaatac atgaaaaaag tcaaaccatt 240
 atacgaaaaa ttatctccaa aacagagctc caatataaaa acagagtcac catcatctct 300
 caaagattcc ggtaacaaca tccgtgggga ccaccaancg taaccaccgt caacggcgct 360
 ccaaacgttg tctctccgg tgggtgggtt taacaatccc tttctccggg aaactaaang 420

<210> 12524
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-067-Q1-E1-H5
 <400> 12524

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 tcatggttgg ggtgcagata aatcctgtat caggattgcc ttctggatat ccagacttgc 120

6091-12523-420

ttcgtttcgt cctagaacat gttgaagaaa agaattgtaga gccacttctt gaggggtttgc 180
 ttgaagctcg tcaagagcta aggccacttc tgctgaagtc ccatgaccgc ctcaaggatc 240
 tgttattctt ggacctcgct cttgattcta ctgtcagaac agcgattgaa agaggatatg 300
 agcaattgaa tgatgctgga cctgagaaaa tcatgtactt catcagccta gttcttgaaa 360
 atcttgcctt ctcttcagat gacaatgaan gaccttatat actgcttnaa agggatgggg 420

<210> 12525
 <211> 328
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-067-Q1-E1-H6
 <400> 12525

catcagccac caacaattct tgcgtctctc tgctctgac tctctgctcg aatttactaa 60
 cgatcccttc tctgcaggct catctttatc taatttcgtt tactcattat atcttctaata 120
 ccgtttcgta tactatcgcn antcttggtt tctggttggt tgtattttgg gattttcttt 180
 gtgtttacgt gataanggat gcagggttgn ancgggtgcc agntcaanaa nactttcttc 240
 ncagaaaaaa ttccaangga anntctggac aggttcanac cgaataggtn gagcgatgga 300
 cttttgacta tgctcantgg gnentcac 328

<210> 12526
 <211> 304
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-067-Q1-E1-H7
 <400> 12526

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 aatttcacg tcaagactcg tccggaatga gaaaataata agttcaatgc tttgattttc 180
 agaataagat gaacgatgac gatgttttct aaatccgagc ttgtactaaa taacaatata 240
 ttacaacacg gtttgcgga ctaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaagg 300
 gcgg 304

<210> 12527
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-067-Q1-E1-H8
 <400> 12527

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 ttgcgaagta tgggagacgc tagagacaac gaagcctacg aggaggagct cttggactat 120
 gaagaagaag acgagaaggt cccagattct ggaaacaaag ttaacggcga agctgtgaaa 180
 aaagggtagc tgggaatata cagttctgga ttcagagact tccttttgaa accggagctt 240
 ctcagagcta ttgttgactc aggatttgaa catccatctg aagtgaaca cgaatgtatc 300
 cctcaagcta tcttgggtat ggatgttatc tgccaagcaa agtctggtat ggggaagact 360
 gctgtgtttg tcctgtctac tctacaacag attgaacat ctctggcca 410

<210> 12528
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-A1
 <400> 12528

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 ttactggctg tctattgtct ttcttgggtt cgatgtgttc tttgttgtct tctgtgttgc 120
 gttggcctgc gttattggaa ttgcggtttg ctgttgctgc ccatgcatca ttgcagtttt 180
 gtacgctggt gctgatcagg aaggggcttc aaaagaagac attgagcagc tcaccaaatt 240
 caagtttcgc aaactaggtg atgccaacaa acacactaat gatgaagccc aaggaactac 300
 cgagggaata atgactgagt gtggtacana attcacccat tgaacatact ctttttgcag 360
 gaagatgcac aantgtttca tcctgtctct ctgccataat gaangacnga acaaganctn 420
 aaaggggaanc taccttgntg gng 443

<210> 12529

<211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-067-Q1-E1-F3

<400> 12529

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 ttatcgatgt cggttttgatt tcgcgccaca aagaagaagt ttcattaggc gcgaatctga 120
 aacctagggt cgattttagtt ctgtccgaat tactgtccgt tgtcttggtc gttagtcgat 180
 tcgatctgag aaagaaagaa agagaagaag aaaaaacgat gtcacgatat ttcacatccc 240
 caccgcctgt gtatgcgagg aactgggcca acgggtcaaaa cttgggtcgaa tggactaaga 300
 tcgaaaggac caatagttga ttctaaaaag ctgcatcgga aagagaagaa ggagaaaaag 360
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 caagacg 427

<210> 12530
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-B2

<400> 12530

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 gacgagttca agcgtccgat cgatgagttg gcttgaggct cgcagtctgt tcttgagacg 180
 attggtggta agaaatcgat gagatttgat gatnccatgg atnagttcaa gaggaatcna 240
 nagatggagg aagattcgaa gaaggtaatc gatgtgaaag tggctgagag tgataagggg 300
 ttcgcgaaat ttggcaaggc agatgttccg tttcatatan cgacgttaac gaagcctcaa 360
 gaggagtata agattttggt anacaatgct aataatcctt ttg 403

<210> 12531
 <211> 414
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-066-Q1-E1-B6

<400> 12531

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cctgacatcg tgttcgttcc cgggagaaag gattcaaag tctgccccaa ngaangaaga 120

cttcctgatg ccaaacaagg tttccaacat ctacagagatg tcttctaccg catgggacta 180

tctgatangg atattgtggc actctcaggg ggtcatactc tgggaagggc tcacccggan 240

aggtcaggct ttgatggacc atggacccaa gagccgctga agtttgacaa ctctacttc 300

ntggaaactgc tgaaaggana atcagagggc ttgttgaaac ttccaactga caanacctta 360

ttggnagacn cggagttccg tcgtcgtggt ganccttatg caaccgattn aaga 414

<210> 12532

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-066-Q1-E1-B8

<400> 12532

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tcacggccaa catcattcta tcttttctcc ggctactggt gctgtcagtg atagctcctt 120

gaagtttact cacgtcctct acaatctttc gctgcagag ctttatgagc aagctattaa 180

gtatganaaa ggttcgttta tcaacttctaa tggagctttg gcgacgcttt ctggtgctaa 240

gactggtcgt gctccagag ataagcgtgt tgtagagat gctactactg aggatgagct 300

ttggtgggga aagggttcgc cgaatatcga aatggatgaa catactttca tggatgaacag 360

agaaagagct gttgattact tgaattcctt ggnaaangtc ctttgt 406

<210> 12533

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-066-Q1-E1-C1

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 aaaccaagc ataacggcga aaggatcgag cagagaacta agacttggaa gaaccgctca 180
 caacatgtct tcttcttctt tgaggaaaaa atcagacctc cgagtgattc agaaggttcc 240
 atacaaaggt cttaaagatt ttctctctaa tctccaagaa gtcattctcg gaacaaagct 300
 tgccattctt tttccggcca ttcctgccgc cattatttgc acctaattgt gggcgtcagt 360
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<210> 12536
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-C4
 <400> 12536

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 tttggcttcc gggtcgttag tgtttgatca tcttcgtatc tcagaagggt gaactttgtt 180
 gttttggctt ttgcgtactg ttgaatcagc ttttccagat gcctcgaaga ccatcatcag 240
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 ttgcttcaat ggctaggcgt gatttgtctc atcctgaaga ttgtcaatgt tctgatgaag 360
 atatatcttt tgatgaaaag caaaagatcc ctaatttacc aagaaaaggg aaagaagaac 420
 aagtctcgga ctcgctctgat gaagaagatt ctcaggaaga tgtccaag 468

<210> 12537
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-066-Q1-E1-C5
 <400> 12537

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 atacacataa gcaaaacagc aggaggctca tttgttctgt tgccacagaa tcagttccgg 180

ataaagctga agattccaaa atggatgcac ctaaagaaat atttctcaag aactacacaa 240
 agcctgatta ctactttgaa actgtggatc tgagcttctc tctaggtgaa gagaaaacaa 300
 ttgttagctc taaaatcaag gtttctctc gagttaaagg atcttctgct gcattgggtct 360
 tggatggaca tgacttgaag ctactttctg tcaaagggtg aaggggaaa 409

<210> 12538
 <211> 376
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-D11
 <400> 12538

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 aaaagttctt caatcagatt ctggaaacta gggtgttggt agaagttatg gtgagaaatg 120
 aagcttagat tgagatttaa gttatgggtt gtgtatttgg ccgagaggcg gcgacaacaa 180
 caacagctga agctaaacaa gctaagagct ctaaagctag tagtgagta gtagtagtag 240
 ganagagtag tgtgactaag agtaatggag ttattgctga tgatgtagaa gaagaagaag 300
 aatgaggang gcaaatggtg ataaagaaag gaaatcatcc aaaggagatc gaagaaggtc 360
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<210> 12539
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-D2
 <400> 12539

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 ggcggacgcg tgggttttgc acaacttcaa ttttgtccct caagattctc cttattacaa 120
 aacgtccctt tttcccat catccttctt caacgttcgc tttcccatca agaacaanca 180
 aatctcttgt aacaaagcaa agaatttgag aatggatccg tctaaggga tccaagaaca 240
 gaggattgtg attccaaaca gacacaanga naagctgggt ggtctgcttc atgaaactgg 300

ttctacagac atcgtagtct tgtgccatgg ctttcgatca aacaanagta accaaanaat 360
gaataatgtg gctgctgcta tacaagaaag aagggatcag cgcttttcgt tttgatttct 420
ccgggaatgg anaagagtga angcagtttc nattaaggta actaatacca atg 473

<210> 12540
<211> 336
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-D9
<400> 12540

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acctaaagct tctcgtcaag ctttaccggt ttttggtgag gagatctaac agcaacttca 120
atgctgtgat tctgaaaagg cttttcatga gcaaagtcaa caaagctcct ctttcactct 180
ctaggcttgt agagttcatg actggcangg atgacaagat tgtngtggtg gttggnacta 240
tcactgatga tttgagagtt catgagattc ctgcnattga ngggtacnng ccttgangtt 300
tactgagang ggctatgggg ctaagaattg nagaaa 336

<210> 12541
<211> 94
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-E2
<400> 12541

gancagcatt tctgggtctca acccaagtct agcctctggc cntcctgaga aagtgcggtg 60
ttcncaatcc atatccactc tccatgagct tngg 94

<210> 12542
<211> 415
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-066-Q1-E1-E4

<400> 12542
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 ctgtctcatt gntccctttt ccagaagct gaaacaaatc tgtttttttt ttttttgttt 120
 tgtttctgtg aancctcaga tcttgatctg aggagaccct acagattctc ttagtgtttt 180
 ggttcactgg aatgatcaag gatctaagtt atgtagaaat ttcntagttt gggagatttc 240
 angaanattg ctaagagttg agtgatacta agttcaggat taatattggt tttgagaana 300
 acacagtcaa agatttagaa agtgatgtga tnttttgggt tcanatatgt tacaccgtct 360
 tagatgggtt actggattga gtaaaagaag tagagaagcc atgacgcctt gatgg 415

<210> 12543
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-E6

<400> 12543
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 cgagttccgt gctctcctct cactcaaac ctctctcacc ggcgccggag atgacaaaaa 180
 ctgcctctc tcttcttgga aagtctcaac aagcttctgt acatggattg gtgtcacgtg 240
 cgatgtatct cgcggtcacg tgacttctct tgatctctcn ggtctcaacc tctccggtac 300
 tctttcccca gatgtttctc atttacgtct tcttcagaat ctatcactcg ctgaaaatct 360
 aatctccggt ccgattcccg ccgggaaatc tccgangccn ttccgggtct t 411

<210> 12544
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-F1

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gatttggaga tgttgttga ggcatacttc atgcaactgg atggaatgcg gaacaagatt 120
 cttacagtga gggagtacat tgacgacaca naagactacg tgaacattca actggataat 180
 caacgaaacg aactgatcca gctgcagctg acgctgacca tancctcggt tgcaatagcc 240
 gcagagacat tgttggccag cttgttttga atgaacatac catgtccatt gtanatcnta 300
 catggcgtct ttggttactt tgtgtggagt gttactgcac tttgcattgt gcttttcatg 360
 gncactcntg gttacgccan gtggaanaan ctgctangct cataatctcc ctctctctta 420
 naaaccaatg tgccncttgt gtnataannt atacatangt tag 463

<210> 12545
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-B12
 <400> 12545

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 gagaacaagt agccaagaaa ataacggtga tgggtaggtc atctcctaac gacaagctct 120
 tacttgttca agcactacgg aaaaatggag atgttgttgc agtcactggt gatggtacta 180
 atgatgctcc tgccctccat gaggcagata taggtctctc tatgggtata tcaggaactg 240
 aagttgcaaa agagagttct gacatcatta ttttgatga caattttgct tcagttagta 300
 aaggttgtcc gtttggggcc gttctgtgta tgcaaacatt caaganattt canacaattt 360
 caagccttna cngtgaatgg ttgccgcaa cttaataaat caatgttggg agca 414

<210> 12546
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-G9
 <400> 12546

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 ttcacatttc tgtttctcca tcactctttc tcgtccactc gacaatgaac tcacatgca 120

aaagaggcac atcgagtgga tgactaaaca cggccgtgtc tacgcggatg tgaaggagga 180
aaacaatcgc tacgttgtgt tcaaaaacaa cgtcgaacgc attgaacatt taaatagcat 240
tcctgccgga agaactttca aacttgcggt aaatcagttt gctgatttaa ccaatgacga 300
atttcgttcc atgtacactg gtttcaaagg tgtctcggca ttatctagcc aaagccaaac 360
taaaatgtcg ccgtttangt accaaaacgt ttcttctggt gcttttgcg 408

<210> 12547
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-H10
<400> 12547

aatccaaatt gggggatatca acaacaacaa ggtcacaccc ctcaagctaa tagcaacgtc 60
gaggactggg ctgtgaaagc caaagaatgg gcagctgcga acaaggatca gcaatcacag 120
cagtctgcac cgaaccaacc tagcggacaa gtctaccagc agcagtatcc tactcatggc 180
tatcaagatt ttcatcaaca ggcagttcca ggagtaagct atcagcagca tcagcagttt 240
ccagttccac ccacaacaca gcccagagaga tatccaaatt acgcaacagg aaacgagagc 300
tttcttgagg ttggattgcc ccaagaaaac ctgcctacca gttctgcaat tcatcagcag 360
gaggtaacctt atanttatcc ttctgtagca gggtaancat ttacntagaa catagct 417

<210> 12548
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-H4
<400> 12548

agtgcaattg tattgtcccg ttgaagccat ggaagtagag agatcgagca acccaacggc 60
tgattcgaga ttgttggtct ctctcaagtt taatcagctt gaaggtgtga tgcagttcaa 120
tcacaaagtt gtagttagag acaattggat cgatgtgatc gtgaagatag acaacatcag 180
atacgatgta ataaagcttg taaacgagaa actgatgtcg agaagaggag caggggagca 240

cgaaaagcat ttcccatcaa ggatctctct gcaactaact cctactcctc caaaaccgat 300
 ttcattaacc gtttccgggt agcaaaatca tcaaaacaat cccggggaag aaaagtttga 360
 aagtcnanaa gattctaatt gaaaggntcc gttccgattc aaccaaact caccaaaggc 420
 ttaanaantt ngcngggccc aa 442

<210> 12549
 <211> 133
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-H5
 <400> 12549

tancacaccg atnaacaaaa acgccgccgc tgcttttgcc gccgtctccg aggangagct 60
 tcagaagatt cagcttcant ctatcagtgc atcgtttagca tcgttaacga cagagtcacg 120
 gaccatnggt ggt 133

<210> 12550
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-H6
 <400> 12550

aaaaaaataa ntcantggaa ggangaggaa gaggaccaa tcanacgatt ctcagtgaan 60
 tanaacatat gectgaagct ccacgtcaac gtatctctca tcaccgtcga gctcgctctg 120
 aaaccttctt ctccggcgaa tcaatcggcg atctctctt attcgatcct tccgatateg 180
 atttctcttc tctagacttc ctcaacgctc caccaccacc acaggcaatc acaacaacaa 240
 ccgcangctt ctcccatgtc cgttgattcg gaagaaacct catcgaacgg tgttgttcct 300
 cctaattctc ttcttccaaa acccnaagct angattcngt cgccatgttc gtagcttctc 360
 ggttgattcc gatttcttcg atgatttggg tgttacngag gagaagtta tngccag 417

<210> 12551
 <211> 406
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-065-Q1-E1-H7

<400> 12551

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tttcaaggga tttgctttta agatcaatcc tttcctaaga aaatagcgac aattcatcag 120

cttttccttt cccatccttc agtaccttaa cttactcgag attcatcttc cagctgaaat 180

tgtgaaactt cgtttctggg tttttatcag aaaacactct gtgacttatt gtgtggtgat 240

cgaggaaaga aaaaagatgg ttggtggtgg naacaggaga gatgagggat cgatgccgat 300

tcagaacacg aacttgtttg ctgctttggg tacctcgagg aagaanaaga agtctgataa 360

ggctggtgta agcanagctt cctctannag agaagattca cagaag 406

<210> 12552

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-066-Q1-E1-A11

<400> 12552

cgttctaaat gatccattat ctccatttca tcggtgaatt ttgtttctcc agtgctgtta 60

aagtagttga gtggttctcg gagaatctgt ttctcaaaag aagcacaatg gcgttattcna 120

agagaggggt cgtgatgacc tctaattcta gatttcacgg cgaggaagan gaattagagt 180

taggattang atcagtgang ttcacgcgag gattagggag gaaaaggatt ttgatttcga 240

gttggtgctg tgaatctcta tctagatcgg ccgttgagat tccggtagta tctgaatcgc 300

cgccggtgaa aagttcgttg aagagacaac naagcagaat aacaattgtt tcttcttcat 360

cctccgaaaa atctcgactt gagtgtcncc ctcaaagat 399

<210> 12553

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-066-Q1-E1-A2

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 caacttgtcg gcggtctctt cctccagcat agaggatggt ttcggtttgt taggatgtac 300
 agacttcact cagattattg cgggtggggc tggttcttta atttcaggtc cttgcagagg 360
 tttagaagat ttttagatga aaacagagca aagggtggaat ctgtaactg 409

<210> 12558
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-B1
 <400> 12558

ttcnentacc gnntcgggnc caanncncnc gggtcgaggc ncgcgtccgg tactatcttc 60
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 cctacaattt cagctaaaat agggcaaaaac cctcgcgggc tcagatcggg ttatccgacg 180
 gtgagaatgc agtcacgtgt tcaccgtctg attgaagagc aagggtgtgt gcttattccc 240
 ggagtctacg acgcattatc tgcggctatt gtgcagcaga ccggattctc cgccgcatta 300
 atctccgggt acnccctctc cgccgtaact ttgggaaaac cagatttcgg tttgataaca 360
 cctccggaga tggcagcaac ggcgagatca gtgttgtgct gcngctccaa agattccaat 420
 cagttgcaga tgcagatact ggggtggagga aattgtcct caatgttcaa aagnacc 477

<210> 12559
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-B10
 <400> 12559

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 agaaaaaaca acaaaaagac atgataacga gagagagttt aacgctgaga agcatcacia 120
 tgatgacttt agtgacaatc ctgggtctgg ctgcaactct agagacctgc attgccagaa 180
 gaggaagaca ttggagacac caccatagga gctcctctc tttgtctgat tccttgtcca 240

tcttattgat tcacctgggc acgttgactt ttctctgag gttactgctg ctctcg 416

<210> 12562
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-D9
 <400> 12562

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 tgaataactta acattccctg gtggagggtac tcaattcaag aatgggtgctc ttcactacat 180
 tgatttcctc caagagtcac atcctgatat tgcttgggga aataggactc gtgttatatt 240
 ggatgttggg tgtgggggttg ctagcttttg gggatatctt ttgacagag atgtactcgc 300
 tttgtcattt gcacccaaag acgaacacga ggcacagggtg caatttgctc tgggaacgtg 360
 gtattcctgc aatgtcaaat gttatgggga accanggaaa tt 402

<210> 12563
 <211> 65
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-E12
 <400> 12563

nggaccggcc tctttggtac ccaggcgcca tttctcctga ntggcttgat gggttccttgg 60
 ttgga 65

<210> 12564
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-E2
 <400> 12564

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cttgttgcct gcattggtgg ggaagaaagg actatcgagt ttatggaaag acaagggcgt 180
aagagcttta agacgccact cttagatcac aaggatgaaa agggaatcat caaacatcct 240
tttccatga atttattctt aaaaccgtgg aggctcagtc cctggtttta tcaagttgtt 300
aagtttggtt ttgttcanta tatgataata aagtctttaa ctgccctcac agctctgatt 360
cttgaancct tcggtgtgta ctgtgaagga gagtttaaat ggggatgttg ggtaccc 417

<210> 12565
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-E3
<400> 12565

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ccttcccttc tctttctctg ccgtcgaacc cttcttcaaa ggaaactagc ttccactgat 180
ggaaatgtcg gttattgtac tactacagtt tgtcagggat ttcaagcatt cggttcatca 240
acggtcgtct tctggtgtgt ttaacggaga gtgggaactt cgatcggaat ctaacaaggt 300
aaggatggtt cctaagatta tcaagggttg gnaatcaaga cggaggtagc cgaaactcat 360
caagttcttg gaactgtaag tgcntggngg gaagaagcta anaagcttna g 411

<210> 12566
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-E4
<400> 12566

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ctcttaaact cgctacgtcg attcttaaag gattcatcgc cgataacttt tatacctcct 180
tcttttccga taggatcggg actcattttg tttccaacac cccggatccg gtgatttagg 240
gcgctttttg atgcttatcg agtaaaggat ttatcgattt agtgatcggt tatggaagga 300
ggtggtgggt ctggtgagcg ttcacggatt gcttcgaata ctctcgaag cttgaaggag 360
aagagcgatg gggttgggtan gactgtgtct tctactgaaa ctangcanaa ttatca 416

<210> 12567
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-065-Q1-E1-E6
<400> 12567

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agctggacct cggagtaaaa atgctttgaa gaaggaacag aaaatgaagc agaaagagga 180
agagaagaga cgaaaggacg aagagaaagc tgaaaaggct aaacaagcac ctaaagcaag 240
ctcccagaag gcagtggcag cagatgatga agagatggat gcaacgcaat actatgagaa 300
cagattgaaa tatcttgagg ctgagaaggc taaaggggag aatccatata ctcacaagtt 360
cgctgtgtca atgtcgatc ctaaatacat tgagacgtat ggtaatttga caatggg 417

<210> 12568
<211> 92
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-E8
<400> 12568

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cggaggaacg gtcggcgctt gtgncattgn ca 92

<210> 12569
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-F2

<400> 12569

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cttctccaga agaaacttga ggaactttta gctaaacctc tgtagttttc agattgattc 240
gttggtggaa agcgtctaaa ttttgcgtaa atggcggcag ctcttgtagc cagattctgc 300
cggggatcat cttttccggt ctctggatcat ggatatagga tgctatcgac ggttgaaaat 360
gtatctgaaa gtggtaaatc gatgaatcta tactctgcta ttaatcaag 409

<210> 12570

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-065-Q1-E1-F3

<400> 12570

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attttgagtt tgctcataat gagtctggtc atggcacaag ttcaagtaga agcaaagatc 180
tgctgccctt ccaaccaagc tagaaatggc tatagtgtat gccgtataag gttttccaag 240
ggaagggtga tgcaagttag tggatgcaa aactctgata catgccctcg aggttgggta 300
aacgccattc tcgaaaactc aggctgatgc taccaatgaa gcactgcaag ttaggggtgtg 360
aaacttctgt gtgtgggtgcc atgaacactc tccagaactc tgatgcaaag tgaaattgtg 420
aatnggagcg tcgggaacaa tgtgcccnng gatgtncnac tttcctgtnc caanag 476

<210> 12571

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-G10

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 taaacctgtg cgactcagct ggtgaaaagc tcttggtttt cagccagtat ctcattccac 180
 taaagtttct tgaaagacta gctgcttttag ctaagggatg gaaactaggg aaagaagttt 240
 ttgttcttac aggcaatacc agttctgagc agcgtgagtg gtcaatggaa acgtttaaca 300
 gttcgccaga cgccaaaata ttcttttggtt cgataaaaagc atgtggagaa ggtatctcgc 360
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<210> 12572
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-G11

<400> 12572
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 tctttttgac tcccacaaga agaaagcaaa tttctttttc tcaggattgc ttgaaaactg 180
 tagaaatctt tanggttttt ttacaccaat aagagtcaga gagagagaga gagagagaaa 240
 gagagatcta ntcataaaaa agacaggtaa tcncaactcn gaggagataa ntgnnataa 300
 aatttgcgag gantaangan naaganagan agaagaagan caaagctaan ngaatggttg 360
 cttttttatc aggcntgncc ttgggggaaaa nttttggcaa atc 403

<210> 12573
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-G2

<400> 12573
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 agtttaatat ctgatcaaaa tagaagcatt gctacactcg caataaccac actattgaaa 180
 acagggaacg aatcaagtgt anaacgtttg atgaagcaga taactaattt tatgtcagat 240
 attgctgatg agttcaaaaat tgtggtcgtg gacgcaataa gatcgttgtg tgtgaaattc 300
 ccactgaaat acagatcctt gatgaccttc ttaagcaaca ttcttaggga agaaggtgga 360
 tttgagtata aaagagcaat antagattct attgtgacca ntatc 405

<210> 12574
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-G3

<400> 12574
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 caccggtgtt aagttctctc cgatcttagc tccctttaac tccggagata gccgccgctc 180
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 cgggatatca ctttctcaag gacgtaattt ctgtcttact tgtaaaagga atcaagctgg 420
 aatcagaaga gcattaccta gtgcctttgt ggatagaact gcatttaa 468

<210> 12575
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-065-Q1-E1-G5

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ctagcgttct acggccacaa gagcagtcgc aaaaccgtgt ttggtgtgtc ttctgcgatg 240
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gttccgatca tcttaagaat atcaagcaat ttctgtcgaa aaatggcccg gcaatggatt 360
gcatagacga gttccgaatt tcagaagctg a 391

<210> 12576
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G6
<400> 12576

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gtctcgggtga tgccaagcgc gttctggaca aaacctctga ttccccacc gaagcaactc 180
tccgtctcga agacatcaaa cacgccgctg gtattccgcg cgattgccac gacgacgtcg 240
ttcaggtgtc gaggaggaac agtcatggag aaggagtttg gagagagctt ttaatccgac 300
caacaccagc cgtgcgtcgt gttatgatcg ccgcaatcgg aatccatttc ttccagcaag 360
cttccgggtat cgacgcgggtg gttctcttct caacgcgaat tttcaaaacc gccngg 416

<210> 12577
<211> 400
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-065-Q1-E1-D7
<400> 12577

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cgatggacct catcagcttg ccaagaaact atccgccgtt gatcttggtg ctattggagt 180
tgggacaaca attggagcag gagtgtatat tcttgtggga acggtagcta gagagcacac 240
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ttgttatgct gagcttgctt ctcgttgctc atctgctggg agtgcttata attatgcgta 360
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<210> 12578
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G7

<400> 12578

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gctttaatac tctttgatcc ctctgttcgt ttgatganaa ttanatttta aatggcnaaa 180
gtttcgttta aggattctct gaaagctctt gaagctgata ttcaacacgc taacactgta 240
nctttagatt atcctcggga gaangatgga gcgcgtgttc aaatgaggct atcgtaact 300
ccanctgctc agtttttaacn ttttcttgta caatggactg attgccatct tgctgggtaca 360
ctcgggtctgc tcagagttct gatttacatg acctatgcgg atgggaaaac cacaatgtcg 420
gtttatgaga ganaaacaag tattaaagat ttctatgccg tgatatttcc gtcgttggtta 480
caactaga 488

<210> 12579
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B12

<400> 12579

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cacactgcac cagatgtatt gagagctcta ttatctcatt taaccaaggc cattaccgag 120
tatgtggttt accaagttga gcacggagct cactgcatac aaatattcga ttcctgggggt 180
ggccaactga ctccggagat gtgggagcgc tggtcctaac catacattga agagatcata 240
catgctgtaa agaaaagatg tccagatacg ccgatagttt tctacatcaa tggaaatggt 300

gggccttcct tgagcgaatg aaaaggaact ggagctgatg tttantggga cttgactgga 360
ctgtagatat ggctgatgga aggangcgat tggg 394

<210> 12580
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B3

<400> 12580

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tagttggaca cttgacaaat ctgagcaatt tcctttttgc ttacagcggg aatatctgaa 120
ccaacgcnat gccgtcgacg cagtccttga ccgtcgcanc gaanacgcta cgaaatcgga 180
tcttctctag gtctggatct acatccgccg gtccgagtcg gtgggcgacg ccaaggtcac 240
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nnaaaatggg aagattggga gcttccttgt tacatcacca gcttccttac aattgttanc 360
ctcggcgttg gactcantgc caaacctgat cnttcaatcg agacttgggc tcatcagaaa 420
gctttaaagc gtcctgagat ggganaagct cccgaccgct gggaaaattc ntccnnaatt 480
aaancnng 488

<210> 12581
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B4

<400> 12581

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aaciaagcaa agattttccc tactgggagt ancgatgaaa aagtttgta gcacaaagaa 120
atgtcaaagc aagaaagaat ctaaaaagag atcgccaagc attatagcga agattgatgg 180
gtctcgatgt ttgcttctt cagagttctt ctcataagca acaaaagtct atggagaatc 240
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gagcagaagt ttaaagatgt tttcgaagtt ttggatgcaa agatggcaga gagtaacaga 360
aacttatatc atcaggggaa ggtgaatgct aatctaacac aagcggggaga tngcantcat 420
acgg 424

<210> 12582
<211> 348
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-064-Q1-E1-B5
<400> 12582

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caccagatcc caggccttga tattgttgtt gatccatgtg ctgctattct tgtgtttgtt 120
gtaactggcc ttttgtgcat gggaataaag gagagcacat ttgctcaggg aattgttaact 180
gcagtcaatg tgtgtgtcct gttatttgtc atagtagctg gcagttatct cggcttcaag 240
acaggttggc ctggttatga acttccaaca gggttctttc cattcggagt agatggaatg 300
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<210> 12583
<211> 389
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 12583

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cgtctccatg gcacccgtga gggggattct tggcttgcaa agggcagtgt ccatttggaa 180
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caccactcca cagcttcttc cactctctcc gctccggga aaagactcat ttcggtgggtc 300
ctcaagggat gaagatcgga tttttactaa atcctctaag gtctgcatga nccatttctc 360
aaaaggcgcg atgaaagaga ngtgattgg 389

<210> 12584
 <211> 288
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-B7

 <400> 12584

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 cgaaccacaa ccacatcctc ctaaaagatc aacttcccaa catttcntan tgcacacca 180
 gtctctctcc ctgggcctgg aagctaatac tccttnggat ttccaaanat ttaccttggt 240
 aatggcttgg gnanancggn gctaatacn tacngctctt gttcccaa 288

<210> 12585
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 12585

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 gttttttttt ttttttagcc aacaagcttt gatatgactt tataactggc atcgagcac 120
 cttatcgagt aatgcagttc atatttacac ctttctttta cacaaaacca atcccactcc 180
 ctttctcatc atccanacaa agtagccggt aaagcaaaaa agctcttana cacaaagaan 240
 gcaagaattg tcccaaaaga naactctcat acatcacttt gctgtntctt tcttancttc 300
 gggattcgtc cagactacnt gctccagaga attagngaag cttctataga acngtgaaat 360
 cgagagtggc ccccttccga ctcgatactt gaaccatatg aaagacttgg cgctacttgg 420
 aatacctcng gtcgctaaat tgagaattcc ctttctcca agcctt 466

<210> 12586
 <211> 103
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

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ccanaatcgg natcaacnct cggacgaact nggattccga ttcaaacaat nctccccgtt 420
ttacccancc agnga 435

<210> 12589
<211> 371
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C12
<400> 12589

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ctgaaaacat agaaagctcc aatctttatg ggattgaaac tgacaatcaa nacgggcaga 180
acaagacatc tgatgtcact acaagcacca ggtcttgaaa ccgtggatca tcaanaggaa 240
gaanaagagc anngacncgg tgattcnatg gctgggtggtg cgcctgcaga ngatggntat 300
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acnangtgca c 371

<210> 12590
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C2
<400> 12590

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ttaatggcgt atcagagacc gaaactctct tgaaattcaa gaattctctt gttattggga 180
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ttgtgtgata gaggctttgt ttgggggtta cgactagaga atcttgagct ctctggctct 300
atcgacatcg aggcgttgat gggtttgaat tctctaaggt ctcttagttt cataaacaac 360

aaatttaaag gtccatttcc agagttcaaa gaaaacttgt tgctttgaaa tcacnttact 420

<210> 12591
<211> 536
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C4

<400> 12591

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ctgatggggt tcaagggcat cncacgggc tcctacttcc taaagcaata ataaagagtt 180
gtgcctcaaa agaaaataaa actcaagaat tcccttaatg aaaggggaaa taaaaatcca 240
gtttgaaang caaattattg aaaaagcttg gtatctaagg gggaaactga cacaagataa 300
agcaggaaaag gccctctctt tgttcaagg gagtacttga ttacacagaa ttcaatgatg 360
tggacatggt cataagaggc agtgattgaa aacattcaat tgaaacaaaa catattcaaa 420
gaaatcgaaa aggtttgttc accccactgc attttggcga ataatacatc tactaatcga 480
cctcgaatgt taattggtga aaaagactaa ctcaaaagat cgcattgntt ggcccc 536

<210> 12592
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C7

<400> 12592

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tttcaagact tattttgatc cttcgtgcgc ttcacgtgaa taatgagaag gctaagatgt 180
tgttgaagcc tgacaagtcc gttgtcactg agccacatca catctggccc tctctcactg 240
atgatcaatg gatgaagggt gaggtagcac ttanagatct tattctttct gactacgcaa 300
agaaaaacaa tgtgaatacc tcagctctga cacaatcang ngatccgaga tattaatctt 360

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404

<210> 12593
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-D1

<400> 12593

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accgtcaagg aagctgtcac gcccatcact cctangacgc tttcaacaaa ctttgtgttg 180
ggcagaactg gtgttctgta actgtagcac cggagatggt tgggtggagat ccgtgtccaa 240
atgtgatgaa gaaactcncg gtggaagccg tttgtgctta aatgaaagca gacgcaacag 300
caatcaaaag actgtaaagg tggttactta cgcattctta caggtttcng atggtattaa 360
gtatgtttta ngaagacaac agaaagaagt tggtactttt ccaagctcct tattttatca 420
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ttggnttg 488

<210> 12594
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B11

<400> 12594

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cggtggtgga tctaacgggtg ttgttgtgat ctttgtttgg agctcgatta acnagaacca 240
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cgcagaattt tcncaccggc ggtttaacnt gaaaatggnc ccttenttan cattccaanc 360

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ctttctctgg tgcncccaaa agccttggtta nggta 455

<210> 12595
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H11

<400> 12595

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ggccagaatc aaagagtttc aatgacaaaag gaatgggacc aagttccaaa atcatggaaa 240
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gcgaggtatt acgtgaaagg gtacgaaaag atattacnga gcgttcaacg ctacagcaaa 360
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<210> 12596
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H12

<400> 12596

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gaatcgcgta tagtatgac aaagatgcag aagacaaagg attgattact cccggaaagg 240
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atgngaattt aattgttttt gattanagag tacattggat agagccaact gctggtaaca 360
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<210> 12597
 <211> 309
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H2

 <400> 12597

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 attctataga agacagaaaa cattatgtaa acagttgttt tttttttgtc aaacattttt 240
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<210> 12598
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H4

 <400> 12598

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 tcagagctgg aaagtgtctac acaagggatg ttcatacctc cagcatctcc tttctgctaa 240
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<210> 12599

<211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H5

 <400> 12599

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<210> 12600
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H7

 <400> 12600

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 <211> 65
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12601

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<210> 12602
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12602

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tcaaaagact ggctttgtcg atatttagat tgacgctcct tccaaaatcc aaanaaaatt 420
ccg 423

<210> 12603
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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ggttgatatg aaagctgggt ttgcttttgt ctatatggaa catgaaaggg atgctgaaga 240

tgcaattcga gcgcttgatc gntttgaata tggtcgcaca ngacgcanac tcccgtgttg 300
antggacaan agaatgancg tggangtgcc ggnnanata ggtgggtccn aggagattat 360
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aaaanactna gg 432

<210> 12604
<211> 497
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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gtctgctcag ccggtacttg aaggagaagg gaagtttttg gaatattaat atgggggttg 180
ctcgaaaatc cgatcttgaa ctgcgcggaa aattcgatct caaaggacaa caaatgtga 240
ttaagaaggt agagacctca gaaactanac cgttcaagtt gattcagaag ttttctattg 300
gtgaggcctc tactttctacc gaagacaaaag ccatatatat tgatctcagt gaaccgggca 360
aaaagtagca ccgggagtct gggaaattca caagttgacc atattccttt ggagggnaaa 420
agtttanggg ctttcaaccn agtttccttg aanacaatng ctaacggaga ttactggaac 480
gtncctnaat naaagcc 497

<210> 12605
<211> 479
<212> DNA
<213> Arabidopsis thaliana
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<400> 12605

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gcatctctaa ggtaaaaaaa ctgagtcgag atttggtgac gtgatgaatc atttggtgat 120
aatctctgtg ttcttgagct cagtattgtt gttatataga ggagaatctg gaatcacaag 180

tagtttttatt cgatctgaat ggcctgcggt tgatatacca cttgatcatc atgttttcaa 240
 agtcccaaaa ggatataatg caccacaaca agtacacata actcaagggtg attatgatgg 300
 taaagctggt atcatctctt gggttacacc tgatgaacct ggttctagcc aagtacatta 360
 cgggtgcggtt catgggaaat atgantttgt tgacctcaagg gacttaccat aactacacgt 420
 tttaacaagta taagtctggc tttaatcatc actgccttgt ctctgaacct tgagcaang 479

<210> 12606
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A2

<400> 12606

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 gaattagaac ttatcgcaat agccacaggc ggtagaattg ttccaagatt ccaggaagtt 180
 gacccagag aagttaggga aggctggcgt ggttcgtgag aaatcttttg gcacaacaaa 240
 agaaccaatg ctgtatatg agcactgtgc gaactcaaaa gctgtcactg ttttcatccg 300
 tggaggtaac aaaatgatga tanaaagaga cgaaacgtag tatccacgat gctctgtgtg 360
 tggctaggaa tctcatccgc aaacaaatca attgtttaan ggangtgggg caanctgaaa 420
 tcnccttgcc cacntt 436

<210> 12607
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A6

<400> 12607

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 ttaagtaaac atttttccgg cagacagaca agcttttctt cagtgattag gacatctaag 180

gttaatgtag tgaaggcttc tttggatggg aagaagaanc aagaaggaag aagagatttt 240
 ctcaaaatch tgtaggaaa tgctgggggc gggttggttg caagtgggaa agcaaagct 300
 gatgaacagg gtgtttcttc gtcgacgatg tcgtantcta nggtttctag agtattgnt 360
 caggataggg gtgaataaaa gttgatttgt ntcataatg gggactatag ctanngtggg 420
 aatgc 425

<210> 12608
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A7
 <400> 12608

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 atgcctcaa agccactcgc tatgtacagg gatgtgatct gctcgaaggc gagtggggcg 180
 aanttgaag cataactcttg tggaaattaa ctgttgatgg agagccaaaa gtgtcaaagg 240
 atatgattga ggcgattgat atgaagatga atatgatcca ntggagggtg ttaaagggac 300
 ctctgaagga agagtacaat attttctcga aaacgatgaa agtaagccct aagcaaggaa 360
 ggtcctggaa attgtgggta aantggnact tngaanttat ganganaant nattgaaaaa 420
 ggnggcncca cc 432

<210> 12609
 <211> 235
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A8
 <400> 12609

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 ggtccttacc ctgtggacaa agttgttagg agatttccat ggnacagttt gcgtttatac 120
 tcttcogatan acgtcaagaa aactgtcttt gctgctgctg acgccaatgg ggaagtgtgc 180

cgttcttctg gggaaccgat gctgaatggn accttggtgt tttcgngata anacc 235

<210> 12610
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-B10
 <400> 12610

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 attcttcttc gaggaacta ggctcttact tgattcaatc tcaattccag tgcgccggaa 180
 actctagtgc gcttttcttg actgctgcag ctcaaaaatt gctgtgtctc aagtttagcan 240
 aggagcttgg agtagtgatc tcaaaccgtt gggtttcttg gtttaaggct gctantctac 300
 ctgcaatcat atcaattctt tgtactccac ttatcctcna taangcttta tctccagaa 360
 acaaanggan acnacctgag ggctccaggt tanttgctgc aacnnaaact caagcaaat 420
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 nctgtcactc ctttggggg 499

<210> 12611
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H10
 <400> 12611

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 aataggaact aaatctcttt ctctgggttca tcaatggcgg atcaaacgaa gaagagatac 120
 gttacaagcg aggatttgaa aaaacacaac aaacctggag atttatggat ttcgattcaa 180
 ggtaaagttt acgacgtttc cgattgggtt aaatctcatc ccggaggcga agcagcgatt 240
 ctcaatctcg ccggccaaga cgtcaccgac gcgttcatcg cttaccatcc cggaaccgca 300
 tggcaccact tagaaaagct tcacaatggc tatcacgtga gagaccacca cgttgtcaga 360

cgtctcacgg tgactaccgt cgtttagcgg cccgaattct ccaaacgagg nctentcgac 420
 aaaaa 425

<210> 12612
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-E10
 <400> 12612

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 tgatgaacca tggccgtgag atcagagcgt gattgacggc tacgatcgtc ttaggacgca 180
 tctggtgctg tagaggatcg ttactcggtc cggttctacc ttgccggggg ggttgcacgg 240
 cggctctgaca ggttccattt tttttcactc cttatattgt cttgtgggat gttttgagat 300
 gaccaccaa tttgatattc gagcagcatt tttaaaattt tacagtaatg tgggtatttc 360
 gtcccaagtc aaccacttta tatgtacaac tctacattcc ctctacgaag ataagtgcac 420
 cccaataatg agcagactat gagaagctag cagaagatan tcntcntttt ttggg 475

<210> 12613
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-E12
 <400> 12613

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 ctcttctctt tacaaaggaa gcttcttctc tgtttcgaca aagaccagga ggaacacttg 120
 taaagccaaa tcatggaatc tcggtcttgt tatcaactct agaagctctg aggcttcggt 180
 ttttgatccg ttgggggatca atccagatga aacttctggt ttaagtagca tttgggaaag 240
 ctttgtgagt cttttgtcac cancatttga aagctcttct ggtaacaggc gagataagcc 300
 gtcttctggt agaggcgtgg cantgctant gaggacagtt ccattgattt tggnganttc 360

ttcaaagggg ncatttgcca anggaagttt ctgaaagctt cctggggttt tttancntct 420
ctg 423

<210> 12614
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E3

<400> 12614

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ttctcgttga tttttttttt cgatttaggt atttccatgt gagactaaca tttgtggctc 120
gtttactcgc agatcaaagg gacagagaac gtgtctgggc cacctactan gatggataac 180
agttctgatg aagagtcaga gatcagtgag tctgagatag atgtctatta tgaaaaacct 240
tacgagaaac tgatgaatgg ggattacaag gttaaggatga aggacacatt caggtgtccc 300
ttttgcgctg ggaagaagaa gcagcattac aagtataagg agctacttgc tcatgcgtct 360
ggtgttgcca aaggatctgc naatagaant gctaagcaaa aagcaaadc 409

<210> 12615
<211> 232
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E7

<400> 12615

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ccctaaaaat ctgagtctcg cattaagtcc aaacactttc atttgtctcc tttcgtcaac 120
tccacaagaa gatctcctca tggctccaat tgctgtcggc gatgtcgtac cagacggaac 180
tatctccttn ctnnnagnga aagggttaaatt ttnaaacggc tncnttnaat cc 232

<210> 12616
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-E8

 <400> 12616

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 aacccaaaat cacaaaaacc aaaaaaatat ataataatgg gtggctgtgc gagtagaccc 120
 aaggaatcag acatgcaaaa cgaagaaggc tctgttccta acaagcctgt ctctgaaaac 180
 gtagtagcca aggagaacaa cacagaaagc ggtgagaaac agaaccagac agtggctgag 240
 accactgaaa caacttctgt cgaagctaag gagacatttc cggtcgagcc gaccaaggaa 300
 acaactcctg ctgttcanc cagaggttgca gccgtcgaag agtcttcttc tgctgatgct 360
 ggtgaggctg cagtagttgc acctgagaaa gtggaagaac gctgcaacac gaaaa 415

<210> 12617
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-F1

 <400> 12617

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 tgcttttcac tctaattcgt aaaccacttg tgggatttga gcatctttta cattctccaa 180
 aatctctgct ttctaggggt ttgtgagttt tgggtgggatg agtagtgtgt tcagtgatca 240
 gatcctgatt gataagctcg ctaagctcaa tagcangtca acagtctatc gaaactctgt 300
 cacattggtg tatattcaat cgggagcaaa gcagaattga tcgttacgac atgggagaaa 360
 cagtttcaca ntacagagat ggatnagaaa agtccctcct ttggtatttt ggncnaa 417

<210> 12618
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-F3

<400> 12618

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cgcgctccgat caanatggga gtgatgagtt tgagcaagac gatgggtggtg gtggtattac 120

aggtgatgat attgttggga caagagattg gtaaagtgtc gtcgactcta tacaaagttg 180

gggacttgga cgcttggggc atcccaattg atgctaaagt ctattccaaa tggcccaa 240

ctcactcttt caagatcggg gactccctct tgttcttgta cccaccaagc gaagactcac 300

tgattcaagt gacgccctcc aatttcaaga gctgcaacac caaagacca atcttgtaca 360

tgaacgacgg caactctctc ttcaacctca cccaaaacgg aacctatac ttcacaagt 420

caaaccccg ccaactgtacc aagtaccana agctcctaan tctccgttcg gaactantcc 480

gccgaaa 487

<210> 12619

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-063-Q1-E1-F4

<400> 12619

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cgaacaatgg gcgtccta at ggtcaaccaa tcgccctaac tttccccggg cgctaaaatc 120

tccgggcggt cttctctgat tcgtccgcct tcttcggttc gatttctct taagtgtaac 180

gcggcggtac cgtacaagtt cgacggcgga aactctgccg gtttccatct gcttactggc 240

gacaccgttc cggctagctt ttcgaggaca cgtttggaag attcgattta tcaagaacac 300

cacacgactt cgtatctttt ccggcactgc taatcctatt ttggggtcag gagatttctt 360

gctatttggg tctgggacct tgggaaaatc aagattaaac tctttgctga tgggtgag 418

<210> 12620

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-063-Q1-E1-F7

<400> 12620

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gcaccatgat ggacaaggct agcaatgctg cccaatctgc caaggagtct ctcaaagaga 180

ccggccagca gattaaggag aaggcacaag gagctaccga atcagtgaag aacgccaccg 240

gcatgaacaa atgaatacaa taatcatatg attcattatg ttatTTTTTT tacgaataaa 300

aacaataant cattTTTTTga aaccctaaag attaggttca acngtttgat tattcagact 360

ggttgTTTTct ttctttctta atantattac ttctccccct gggatttttg ttct 414

<210> 12621

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-063-Q1-E1-G10

<400> 12621

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gaatagagtg aaagttagat actgtgacgg ggcattcattc acaggagatg tagaagcagt 120

gaacctgct actaatcttc acttcagagg tgctcgagtt tggttagccg ttatgcaaga 180

gctgctagct aaaggcatga taaacgccga gaatgctggt ttgtctggct gttctgctgg 240

cgggttagct tcgctgatgc attgtgatag tttccgtgct ctattaccga tgggaaccaa 300

agtaaaatgt ctttcagatg ctggTTTTTT tctcaacaca agagacgtct caggaagttc 360

antacattaa ngacatactt cgaaagatgt tgttactctt catgggatca acaaagaa 418

<210> 12622

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-063-Q1-E1-G11

<400> 12622

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ctgcgtcagt aaaacgtatt cttaaaagca accattgggtg tgattgactc tatangagaa 180
ttcgtcagcg tgaagcaatc tccaatctaa tcgcagcata gcttctccga ntcctantcg 240
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gacgaggaaa tgcattgcgc gttcgtttgtg atcctcncac gtnaaanttg aantcgncga 360
tcgtnatgtg ttgttccagt tgaccaaatc nacggaatat gtgtgngat 409

<210> 12623
<211> 85
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G2
<400> 12623

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agacatgttc acatcatccg gtgtc 85

<210> 12624
<211> 490
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G3
<400> 12624

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ggcttctcct tcaactctct ctccttcttc aaaaccttcc tcttccccca tttgcttcag 180
gccaggaaaa ttgtttggaa gcaagttaaa tgcaggaatc caaataaggc caaagaagaa 240
caggtctcgt taccatgttt cggttatgaa tgtagccact gaaatcaact ctactgaaca 300
agtagtaggg aagtttgatt caaagaagag tgcgagaccg gtttatccat ttgcagctat 360
agtagggcaa gatgagatga agttatgtct tttgttgaat gttattgatc caaagattgg 420
tggtgttatg attatgggag atagaggaac tgggaaaatc tacaactgtt aagatnatta 480

attgatctgt

490

<210> 12625
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G4

<400> 12625

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angagagtta cttgttcgat ttaaagaagc tgaagaagga ttgacatttg cacanaaacg 180
agcaatggat gcagagtatg aagcatcaga agcatataaa aaggtggaca agttgaagag 240
gaaatacgaa accgaaatca gcactgtaaa ccaacaacat aatgcagagc cacaaaatcc 300
catagaatct ttgcaagctt cttgtaatga cgatgctatg gccaaatatg atgaaccatc 360
agctagtgat ggtgataacc aatggagaga agaattccaa ccattttaca agaaa 415

<210> 12626
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G6

<400> 12626

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tacctaccac ctcttaataca ttctctctcc ccccgagat ctagcgaatc gaattcgaat 180
ccttaagtag tagtggaatc atgnggctaa gcatgcgaaa agcgatcgga gttgttaagg 240
atcagactaa gtatcggcgt agcgaaggta gctagcaaca tggctcccag atctgggaag 300
ttgcgatcgt gaaagctaca angccaacga cgaagattaa ntctantgac aagttatatc 360
cggcgaagat tccntaagct aaacttnact ctccggtggc tacgtttnac gccngtgg 418

<210> 12627

<211> 273
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-E1

 <400> 12627

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 aagctggtct cttcacctct taggacttgt gccatggtgc tggtaaactct atccgagttt 180
 caaagttctn gcaagtgtcc tccaatgtct cctcantgca aattgaactg gggtgccttt 240
 gccttaagga taactatgct tatatccttg cnt 273

<210> 12628
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H1

 <400> 12628

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 atatcatcaa gatcggtaac ttggttacaa ataaggaaag atttgttaaa agaaggcagc 180
 ggcttgtggg tcctaattct tctaccttga aggcgctgga aatattaacc aactgttaca 240
 ttctagttca gggaagtact gtagccgcta tgggtccatt taaaggtctc aaanagctca 300
 naaggattgt ggaagactgc gtacagaata taatgcatcc tgtataccan ataaagactc 360
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<210> 12629
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-B2

 <400> 12629

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cacagtaaag ctcagcgagt aagattgtct ttgctctttt tgagaaaatc tcatgttggt 120
actatgatat aacgttgcag aagcatgaag acatacatca gttttttcct tttttcttga 180
gcgaaactag gaaggacaaa atacatttaa atgatcttat aaggcacttt actccattta 240
tacctttttg tactctcggt tccctttcag ttttgaatat aatgactttg atgttttttt 300
gctgtgcata acaggaaata tttgaaaaca acaggaaaga cataactgtg gccatgatga 360
anaattatcc acagcttcta cgttaaattc atggctgaca aagcaaaagt gtcacctttt 420
ggtcg 425

<210> 12630
<211> 322
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B6
<400> 12630

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tcccttctct tcaatttcac ctgacttttg tttttgtttt ggataaagtt ttcacctttg 180
tgtcttctct ctgctctctt gtgtgatcta tctgaaaaag ggctgatttt tttttggtgg 240
gttncnaaat nagggttngt gtaagttnat ngccttncnn atccaatgaa antnaanant 300
natanaggat cgttaaantg at 322

<210> 12631
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B7
<400> 12631

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cacggtcgct caaccgcacc gtgggcgtct tcgtcttctt catcctcgac attgttgatt 120

tcttgctttg ctttacctac aagactcttg atttcttctt cgagtccgag tggaaaccct 180
gctactgctg tccgccgccc gaggccaaac caatctcggc tggagggaac agaggcggtg 240
agatgatagt gtcggaaaga tcaggagact actcgaaggt ggtctcactc acaaggacaa 300
agatctatct ggatgagatc tccgacacac tctactctcg cccttcactc ctcaccaagc 360
tcactaagct ggtgaagttg cttcaaagaa agatgttggtt aaatngctgt tga 413

<210> 12632
<211> 440
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B9
<400> 12632

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gttaatgctt caagatctcg aagagttctg ttggcgatg ttcacatcc tttagctgct 120
aataagggtt catctattga agagttaaag caaggctctt gttgtacaaa gactgtcact 180
tttgtagtt ctcgagatg ttctacattg tgctttgttg gaaagtctca agacactgaa 240
actaattccc aagttgtaca aaaagaaggt gagaagcaag tgatgccgag gaggaaaagt 300
agtaactcaa gccaaactttt ggtggaatat gtgtctaag atgctaagtt tgtgaatgaa 360
aagagctcgt aatgactttg ttcctctanc tcgtggnaat tatgagacnt gaagccncgt 420
gcaccacaaa ggatgttncc 440

<210> 12633
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-C10
<400> 12633

cggtgaacaa tcaatctcga agaagacgaa cataaaattt tcaatttctc tgtaatcttc 60
gcttcttgcg aaaccaattc tctatgtcag gtaatcaaga accaatcttg gtgaaagaag 120
agagtgtggt tggatatcca acaccactct tgaagcttaa aagttggcaa tgggtgggttc 180

gattgtggat tagagagaag aaagatgaga tttgtaagga acttcaagca gcttttaggta 240
cagctaaatg gcagttggag gagtttgaga aggcagttag attgagtcac aaacgggtgtg 300
gggataatga ttcttcatcc acacggcata aacagtttgt taccgctatt gaaaaccaa 360
ttcatccgcg tagaaaacttc tccgcaaana a 391

<210> 12636
<211> 408
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-C6
<400> 12636

agaggtatgc ttatactttc cagaactatg tgtttgtcac tcggctgatg caggagaaag 60
agtctgcttc tgggggttaa cctctcaggt tgatggaaag gagtgtcttc agtgaccgaa 120
tgggtgttgt gcgtgcggtt catgaagcga aatggatgaa tgagatggag atcagcattt 180
acgactcttg gtttgatccg gttgtctctt ctttacctgg acttgttcct gatgggttta 240
tatacttaag ggcgagtcca gacacttgcc acaagcgaat gatgctcagg aaacgagcag 300
aagaaggcgg agtctctctg aaatacctcc aagatttgca cgaagaagca cgagagctgg 360
ctgcttccct ttgagagcgg aaaccatggt gtattgtcng ttantaag 408

<210> 12637
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D10
<400> 12637

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ctctaaataa cactgacttc agaggtaaaa ggataaaatg ttcgactacc caagcaaagc 120
atcgctctct tcttggtaat gtccttagaa attggatgga gtcagacatt aagaaagcag 180
caaatagaat tgggtccaggc gttcaaattg tcgaactccc aaaggaacca caaaatatgg 240
gccggaatcg tggatttgct ttcacagagt attacaacca tgcattgtgct gaatactcga 300

aacaaaaaat gtcaaatccg agttttaagc ttgatgataa tgccccaact gtaagctggg 360
 ctgaatcaag gagttganga agaggagaat cctccggctt ccaagggtcaa ngnantgttc 420
 aac 423

<210> 12638
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-D11
 <400> 12638

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 gcgtggctaa ctgaccatct aactaataga ttttcctctt tggcttcacc agatgatcta 120
 ttaaatttct ttaatgacat gcgaggaata cttgggagcc ttgattcagg agtcgtgcaa 180
 gatgatcaga ttattttggg tcccaacagc aacttgggaa tgtttggtcg tcgttgcatt 240
 ttggcattca accttttata gttcgagggg gtttgtcatc ttttttcaag tattgaagat 300
 tactgcaaag aagcccatct aagctttgct cagtttggtg cacctaataa taatccggag 360
 gtcattaata caatatgata agatggatat ggnggaatta tgcaatgggt aaaccaactg 420
 aaagaaatan agtttcang 439

<210> 12639
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-D12
 <400> 12639

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 agttttatct gatctgaatg gcctgcgggt gatataccac ttgatcatca tgttttcaaa 180
 gtcccaaaaag gatataatgc accacaacaa gtacacataa ctcaagggtg ttatgatggt 240
 aaagctgtta tcattctctg ggttacacct gatgaacctg gttctagcca agtacattac 300

ggtgcggttc angggaaata tgagtttggt gctcaaggga cttaccataa ctacacgttt 360
 tacaagtata agtctggctt tattcatcac tgccttgccc cgacntgag catggtacaa 420
 aataactaatn ccaggnttg 439

<210> 12640
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-D2
 <400> 12640

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 acgcgttctt cttgagcatt tccgaccttc ttcttcttct tcgcacaatt acgaggcttc 120
 tctatctgct tctgcttgct tggctgggga cagtgtctga tatcanagga actctctcta 180
 aggagatgaa gttgtcattg tcccngnaca tangactcca atatgcaaag tccaaacgtg 240
 gnaatttcaa ggntacatat cccgaatgat ttgctcgcaa ccggtttgaa ggcaattgat 300
 nnanaaagac gaatncaaaa nccaagtga ntaagngaca ntgggtgnggg taacgttttg 360
 gnnacctggg antccaanaa nncanttaa at 392

<210> 12641
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-D4
 <400> 12641

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 tccgcctcaa tcccgatctc atcgcttga ccttacttgg aactgtagcc atcgatctcg 120
 acatagtgcg cgatactcgt ttcactgttc tcaacgcagc tgatctctcc gtcaacgatg 180
 cctccgtttc cttactcct cttctctcct ctaaggcgct tgcagctcca aaagttgtct 240
 tgtttgagga ggatgagatt ctctgtcttg agtttggtga gattcttccc catggagtgg 300
 gagttctgaa acttggtttc aatggagtac taaatgacaa aatgaaggga ttctacagaa 360

gtacttaatg aacataacgg tgaagaaaga aagaataatg ggcagttacc aantttgnaa 420

c 421

<210> 12642
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D7

<400> 12642

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tcaccatgtc tccgccacaa cccaaccttc aatcgcgctc gctcttttcc aatcccgttt 120
cttttccact ccatctgacc tagattctga gctaactcga ttcagagacg attcaatcgc 180
tggcgttgga agcaatgata atggcttaga gttcgacgat tcaatcgcta gcttgggaag 240
caatgggtcat ggcttagagt tcggcgattc aatcggtagc ttgggaagca atggttatgg 300
attagagtgc ggtgacttga gccaggattt gtcaaactat gattacttga ctcaacctgt 360
gatctcgttg cttgattcat accatgacat cactggattg ccttgggtggg tnggttaa 418

<210> 12643
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D9

<400> 12643

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gtctctgatt tgtttgaatc gatcatcgtt ccttcttctg gattttccat cgatatttga 120
tttttctagg gtttgttct aaattgcacg gatggctttt tatgttcatg cgatttactt 180
ttccctctgt tattctagat tgttgttcga tgatttgatc gttcagggat ggatttgatg 240
gatcttatgt tttcacgggg cttctctatg ctgctacgtc ttcagggggg gttcttcttc 300
cttacgcgtc tctgantttt gttttctnct ctacgtttct taatcgtctc gtctcgcagt 360
ttttttggaa gctaattatg atccgatnat cgttttcgaa tcngttgggtt ggtagantgt 420

ggaagaagnc aana

434

<210> 12644
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B12

<400> 12644

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gagtacttga acgcaaggcc gaaatatcct acaatatggt acaaagtgtt ggctgggtcga 120
accagcaacc ataaggtggc ttgggatgtt gggaccggca acggtcaggc tgctattggg 180
gtcgtgagt actaccagaa agtgggtggca actgatataa atgaatcaca actccaacgt 240
gcaatgaagc acccaaaagt cacttactat cacactccat catcaatgtc cgacgacgat 300
ctantgactc tactcgggtg ngaaaactcc atagatatca taatagccgc tcaagctctt 360
cactacttcg acctaaagag attctacccc atantgaaac ntgttcttcg nnaacaangg 420
ngtatcaccn tanttttggg 439

<210> 12645
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-H2

<400> 12645

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gtacgacgca agttacagat tcatcgaatc atcaaaccag agcttcttca catcaccatt 120
ccagctcttg ttttacaaca ctacccttag cgcttacatc ttagctctcc gagtcggact 180
caggcgtgac gagtctacca tgcgttggat atgggacgcg aatcgcaaca accccgtcgg 240
agaaaacgct acactctcac tcggccgtaa cggcaacctc gtctctgctg aagctgacgg 300
acgagtcaaa tggcagacta acacagctaa caaaggcgct accggattcc aaatcttacc 360
caacggaaac atcgtcttac acgacaaaaa cggcaaattc gtatggcaag agtttcgac 420

acccaccg

430

<210> 12646
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-H4

<400> 12646

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tctcgaaacct tcctcttcgt ttgcatcagg aaagagcgag aatggcgagg ggaggaaact 120
ttattgcgag agtgatctca tacgttgcca acgagttcat agttaatggt ttggcaaaca 180
gccatgcttt ccagagatgt gctgtgagga cttcaaagag aatagaaaac ctctctaaaa 240
tggctgcaga gaacagggag aaagtcgctc agcaaagga agaatttgcc aagaacattg 300
actccacgaa gaaacctga tcattcctag tgtggaatcc taaaacctca gtaaatcaca 360
tgggtcagct caagtaggga agtcggttta tctttgtata aagaatgta aaaagtaata 420
agcttggtga 430

<210> 12647
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-H6

<400> 12647

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aacaaaagcc gcaacaacca aacgcagcag caacccttct ctcggttggt aggatcgaca 180
acaacaggaa gacagattaa tgggtactga gtcacgttc gtttgttctc tcgaattggt 240
tttagtcccg attaattgga tcttaataac acatcttatg tggtttggga tcgttattgg 300
agatttgaat gtgatatggt cccttanaaa annanangnn nnnnnnnnnn aaaaaaaaaa 360
ggnggccgct ctanaggatc aagctt 386

<210> 12648
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A1

 <400> 12648

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 tagctgaaga tttgggagtt attactaaag atgtagttga gctgaggaaa tctatcggag 180
 cacctggaat ggccgtcctc caatttgctt ttggaggagg cgccgataac ccacatttac 240
 ctcacaatca tgaagtaaac caagttgtat actctggaac tcatgacaac gacactattc 300
 gaggctgggtg ggacactctg gaccaagaag aaaagtctaa ggcaatgaaa tacctgtcga 360
 tagctggaga agacgatata tcatggtcag tcatccaagc tgcattctcc tcaaacgctc 420
 aaaacgca 428

<210> 12649
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A11

 <400> 12649

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 gaggaattcg tggcagatgt cgtcctatct gctactggca gaagtcctaa taccaaaaga 120
 ttgaatttag aagctggttg tgttgaactt gatcaggctg gagctgtgaa ggttgacgag 180
 tattcacgaa ctaatatacc tagcatatgg gctgtangag atgccacaaa ccgaattaac 240
 cttacacctg ttgcgttaat ggaggccacc tgttttgca acactgcttt tgggtggaaag 300
 cctactaaag cagaatacan gcaatgtcgc ctgtgctgta ttttgcatat caccactagc 360
 tgtagtgggt ctcaacnaaa gaagaanccg ttgnacaag caaaccgggn ganaaatcnn 420
 ggnccctccc ccc 433

<210> 12650
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A12

<400> 12650

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 gtttggaat tgaaaattta ctagattttg aatttctgag gttttgtgta agcagttgaa 180
 tgaagcagta ggtggttgag tcatgttttg tctgtgatgt cctgtcacac gcatcacatg 240
 aaccttggct ttggatttaa cgcccggttg tagtattagg ctaattatta acatggcttt 300
 tgttcattgt agttaatttt cacagagtaa agagattttg atacattgga cccaaagtgc 360
 aattttcaaa aatgttcctt ggaaaaantc ctcccaaac cgaacaagag canaaaagan 420
 ggcancccca 430

<210> 12651
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A2

<400> 12651

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 aattctggcc ttctctgatg cctctttaag ccaatttgta tctctgcttc cttacaagat 120
 atatctgaag cttaaagggc agtgacaatg gctggctcgg ttaacgggaa tcatagtgtc 180
 gtaggacctg gtataaatta tgagacggtg tctcaagtgg atgagttctg taaagcactt 240
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 gtttatacgt agtgtcaaga acatgggctt atgaaacatt tgggtacgga aaaagccata 360
 ttgttggtgg ggatggcaac ccctgaaaga catgcggatt aatgcggagc atatcaanaa 420
 tc 422

<210> 12652
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-062-Q1-E1-A3

 <400> 12652

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 gaaggcaaaa cagcgttttc cttcgaattc ttcccaccaa agacagaaga tggagtcgac 180
 aatctctttg agagaatgga tcgaatgggt gcttatgggt caacgttttg cgatatcact 240
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 gttgtttgtg ttgagagtat gatgcattct acgtgtacta acatgcctgt tgagaagatt 360
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<210> 12653
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A5

 <400> 12653

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 aatgtgtaat gatgataatg gtgttggttg tctcttgttg tgaagctgtt tctggagcta 120
 agttcgatga gctttatcgg tcaagctggg ctatggatca ttgtgtcaac gaaggcgaag 180
 tcacaaaact caagcttgac aattactctg gagctggggt tgaatcaaga agcaaatact 240
 tgtttggtaa agtctctatc cagattaagc ttgttgaggg tgattcagca ggaacagtca 300
 ctgctttcta catgtcttca gatgggtccga accacaacga attcgatttt gagttcttag 360
 ggaacactac cggcgagcct tacatagtcc agaccaatat ctacgtgaac gggng 415

<210> 12654
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-A6

<400> 12654

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ctgatttctca acctaggaag caagctgtga agaaggatag ttttcagttg tttgctgaga 180
aagttagaga ccacaaggga ttagaatcca gatgggctgt tatggagcaa gcacgagttg 240
aatacttttag agggaaaagat tttgtgagct ttatgaagaa taaccctgac tttaaagata 300
ttctggaaga agataaagac cttgacacag acgatattgc caatgttttg ttgggaaaga 360
accttttggg cgcgtgtgat cgtgttacta aaactcttcg tcccgggaag aaaaagct 418

<210> 12655

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-062-Q1-E1-A7

<400> 12655

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ttcttcttta acattaagta ctttgaagag aaagctcttg ctggagagtg ggatgaagtg 180
gagaagtatc tttctggttt cactaaagtc gatgataatc gttactctat gaaaatcttc 240
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gttgagatat tagccaaaga cttgaaagtt ttcgctacat ttaacgagga gctttacaag 360
gagattactc agctgcntac tctggagaat tttagggaaa atg 403

<210> 12656

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-A8

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 gccgccgggg ttgtatgatg agatgcagtt tttctccgca ggacattcct gttgattccc 180
 tctctcatct ccttcctttc cttgactttc agaactccct cgccacattt tcggataccc 240
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 gtgtttcat cggcgccatt gacgcctacc ttctcgctcc cctccagctt ggctcgcaca 360
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<210> 12657
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A9
 <400> 12657

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 tccgggtcaa gatcacctcg tccggncacc aaaccatcgt cggggacatg gactccgact 180
 tcgttcanat caacgaggnt cttgagtcg attggnacac caatgaaacg agttcttgtg 240
 aacatgaaag ggtatcntga agaagttggg catctcacta aagctaaacc cacaagatgc 300
 ttggnntcca atcactgaat cncgtaatgg ganacgctca antacgctgc ntttcacaat 360
 ctcaaagctg gtgttgggtt tcaagccct ggtcctcccg tcccggttg ngtttccttg 420
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<210> 12658
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-B1
 <400> 12658

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tccgacgacg aagattcggg agccgtacac aatcaagaag tcgagagaga attggacaga 180
tcaagagcac gataaatttc tagaagctct tcacttattc gatagggatt ggaagaaaat 240
agaagccttt gttggatcaa aaacagtagt tcagatacga agccacgctc agaaatactt 300
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<212> DNA
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<400> 12659

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agaaagccac tgttcccaga cgtcactctc taccatctcc aggtaatggt aggatcactt 180
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agaaacctct tctgtcgtcc cgagaaggaa acgccaagac aactccagca gagcggaaga 300
ggtgattggt tccagcggaa agtgaangcc tttatcgttc ttgattctat agcagcgaca 360
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tatatagacg acgactatgg caatccattg attaagtcgg aggtagaccg tttggtggag 180
gaagagatgc gtcggagctc taagaagcca gctgactttc taaaggactt gcctcctctt 240
ccgaagtctg attttaagaa ctgccctggt cttggcaaag agtatgagcg tgttagagct 300
gggaagcctc ctgtgcggat agatttcgaa tcccgatata aacttgaaat gccacctgcc 360
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<212> DNA
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accggcgcaa gttatcggat accgtccata tccacaaaa accaacggct ccatcaaat 180
cttcgacgct tcaaaaaaat tcgaaggctc atcgaatctc gtccgcctcc gttaccacat 240
gggtccagtc ttaaccaaca acatcacgct tcaccaatc tggtagggca cgtggcaaaa 300
atcccagaag aaaatcatcc gtgagttcat taactcaatc tcagccgttg gatctaaaca 360
cccttcagtc tccggttggg ggaaaaccgt acagctttac actgaccaa ctggatnt 418

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<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-061-Q1-E1-E7
<400> 12662

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accaatgttc gctcggtttg attacataat catcggagga gggacttcgg gttgcgcgtt 180

agccgcgacg ctatctcaaa acgctagcgt tttgggttctt gaacgcggtg gtgctcccta 240
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gaaatcttgg tcgcaacttt ttatctccga ggacggcggtt tacaacactc gtgcacgcgt 360
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tcaagaaaaa tctctctcta tattatctac gtttctctcg ccttgctctc ttttgagggt 180
ccattttctac ttctctccaa aattcgaaac ttttccact ctctctctct ctctactagt 240
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acggtgaagc tgcgtcttgg gtcagaaacc cagatgaaga ctgggttcaa taaccaccca 360
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<210> 12664
<211> 438
<212> DNA
<213> Arabidopsis thaliana
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<400> 12664

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ccagtgtttg actcggctag cctccgtcaa acggaacgcc gtcgtcacag tctacggaaa 180
ccggaagcgc accggcaggg agttcggtga cggcgctactg agccttgccg ccggactgat 240
tcgtctcggc ctccgaaacg gtgatgtcgt ctctattgct gcttttaaca gtgatttggt 300

cttggagtgg ttattaagct gttgcattgg ttggaggagt agttgctcct ttgaattaca 360
gatgggagcn ttganagaan caaaaatggc aatgccgcta gtangaaacc ggngcttttg 420
gtaactgaat aaaaaant 438

<210> 12665
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-F12
<400> 12665

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attctggacc aggacaagag cagaatcaga cattcccaca ggcagatcag aggaatcgag 180
actggaacaa caataatcca gcaggccagc ccgggtctga ccaatttcca caggaagaa 240
ggtactagac agagagcatg ctgcagtga ttgagctgaa taaggagaga agtgtcaaag 300
gccttttatt aagttttaca gtaaatagta tttagtcac tttctacttt gtaagacaat 360
agttaagtcc ttttttctct taagttgagc ntgttaacgt tgttggttgc ccctgtgaaa 420
nttgaaacac tccttcna 439

<210> 12666
<211> 397
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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tatagaatgg actttgatga gtatgagtac ttagagaaga cagttgaaaa tcctcacctg 180
gagaatgaag ttggtaatgg tgggtggtgat gagaaagtca aatctgaagg gaaagagagg 240
agtaggagct caaggcatag gggtgacaag aagaaggaga gggatgaaga tgaggatggt 300

cggcgttcta agcggtcgag atcgcatcac cgttcacgtt ctagggacag agaganggat 360
 angcatagaa gtagcaaggg aacacagaga tagagat 397

<210> 12667
 <211> 172
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-061-Q1-E1-F8
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 agtaaagaaa acaaatctgt atttttgcta aaaaaaaaaa aaaaaagggc gg 172

<210> 12668
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 ctaagctctt tctctgaacc tacgcttctg ctaagctatt ctaagagaag ccagactagc 180
 aataaacctt tcattttaag cattctgttt ctttcttgag aaacctagat attttggttt 240
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 ttgttgccg gacgaagctg ctctctgtcn tcaatgcgac atcgaagatt cacgccgcta 360
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<210> 12669
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-061-Q1-E1-G10

<400> 12669

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ccacatagac agcccttgct ccccttcaa atcatcatcc ccactctcat gggaagcgcg 180

tgtgctccag acgctggctc aagaccaggc ccgtctccag tacctgagca gcctcgctcg 240

cgggagatct gtagtcccca ttgcctcagg gcgtcaaata ttgcaaagca ctacatacat 300

tgtcaaggct ttgatcggtc ctccgggtca gccgtgctc ctagccatgg acacgagcag 360

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<210> 12670

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-061-Q1-E1-G11

<400> 12670

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cgggtgttgg gtgcctcgcc tccacgggtg cggttggtgag cgccgggtgac ccttacttct 180

actacacgtg gaacgtaacc tacggaaccg ccgcgcctct cggaattcct caacagggtga 240

ttctcatcaa cggacagttc cctgggtcct aacctaact caacctcaa caacaatgtc 300

gtcatcaatg tcttcaacaa cctcgacgag ctttctctct tgacctggag tggactccag 360

cacaggaaga actcatggca agatggtgtg actgggacct catgcccaat cccaacaagc 420

aacaacttna cttac 435

<210> 12671

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-061-Q1-E1-G12

<400> 12671

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cttgaaacct cctccaccga atctatgtgg ctcccccggt ggtccaccga tcacagcacc  180
gcgtataaag ctgcgagacg ggagacattt ggcatacaag gagtatggac ttccaagaga  240
gaaagctaaa cacaaaatag tcttcatcca tggatccgat agttgtagac acgacgccgt  300
tttcgccact cttctttctc cggtagcttc ntaccaactc ttggnactaa ggttcataat  360
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<223> Clone ID: LIB25-061-Q1-E1-G4

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tctctcttat ttagctgcgc agctctctct ctttcttacg gattcacttc ttaaaactcg  180
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agagaatcat ggaggaagga agtatgttca gatctctatt agcgattctt cagtgggtggg  300
gtttcaatgt taccgtcatc atcatgaaca aatggatctt tcagaaactg ggattttaag  360
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 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-G7

<400> 12673

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 gatgcctcca gctttacatg aaccaagaaa gaaattgttg acactccttc ctaagaacaa 360
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<210> 12674
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 12674

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 caacttttgg agaatcacat ggaggaggag ttggttgat cattgatggg tgtcctctc 300
 gtattccact tactgaatct gatttgcaat tcgatctcga tagaaggagg ctggtcagag 360
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<210> 12675
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12675

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<210> 12676
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-061-Q1-E1-E3
 <400> 12676

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 atgctgg 427

<210> 12677
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<210> 12680
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tt 422

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 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<210> 12682
<211> 153
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12682

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<212> DNA
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<223> Clone ID: LIB25-060-Q1-E1-D2

<400> 12683

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<210> 12684
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<210> 12685
 <211> 426
 <212> DNA
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<210> 12687
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 <223> Clone ID: LIB25-060-Q1-E1-D7
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 gaagttccgg tgaagaagac gaagacgaaa ctccagaatca aggaatgaga ccagaatctg 180
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 ttggtaaatt tgtaaatagt cagagttctt cttctagcaa agattcgctt ctttctgtaa 300
 cgttattgga tccagatgtt cttgattgtc ctatttggtg cgagccattg aagattccta 360
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421

<210> 12688
 <211> 435
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 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 12688

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 atgacgagat tcggaagctc tttcttgtct tctggtttga taagaagaca tactccggaa 180
 tcattaccta ctgttacaaa acctttgtta gaagaacaag cagatgaaca agcactacca 240
 naacatagac ttagctctca gggcttactc tctcctattc cttcgaggag gggttcgatg 300
 cgaaaggatg aganatcacc catggtgtct catgagattc caatgtctcg ttaatagctc 360
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 tatccgtgtc ttctc 435

<210> 12689
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-D9

 <400> 12689

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 tactgtaaat agcaaagatg gctcttctta ctttttcggt cctcagattg agttagatga 180
 gcacgaggag gtctctatat tagcagttac attggcatgg aatgaatctc tctcttacac 240
 agttgagcaa acaattagtt catatgagaa atcaattttt cagggtttctt ctcatctctg 300
 cccaaatgta gaggatcact ggttcaaaca tctaaaaagt tcttttagcga agcttantgt 360
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tttagg

426

<210> 12690
<211> 320
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-E1

<400> 12690

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tgggtctacac ggcngataaa atccgctttg cttttccaat aagttatctg agcaactcta 180
ttgtccaagg agctcttgaa aatatctgaa agaagagttc ngctctccaa cggaaggnc 240
caatcacatt gccgttcgat tcggttttct tggagtatct catcaaactg atccaaanga 300
cnaatggat gggcgatnca 320

<210> 12691
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-E10

<400> 12691

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tctcaaatac cttcaactat ttgatttgc cgccatgtat cgacgcgcca cttccggcgt 180
gcgttctgcc tccgcaaggc tttcttcttc cctctccagg atcgctcta gcgagacagc 240
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tag 423

<210> 12692
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-C11
 <400> 12692

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 gcagtctcaa agagtacaag agcgacgagt atttggaata tagactgtat tgggtgttcat 180
 ttggtcctga gaactatgga gaagggtggtg gtgtgttacc cagtaggaaa tatcgtctca 240
 aactagaaa tcgagctgcg agacctcaat ctatgagagg atgtacatgt cattttgtgg 300
 ttaaacgact ctatgctcgt ccttcacttg cgcttcttat atacaatgag agacgacatg 360
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 tcnaaanaa 429

<210> 12693
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-A12
 <400> 12693

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 cagaaaattt cagccatgac aggatcacaa gaagaccaac ctaagatcat cattgatcaa 180
 gagcaacca aaactctaga aacagagcac caaccataac cttcttcacg gtctccggat 240
 cagaagaaat ggggtactca cgtgatggga gctccggcag ctccagttgc tcatcccgat 300
 aaccaacagg cggcggcggtg ggtcgctgga nataancagc agacgcagta ccaaccggtg 360
 cgtcatctac tcnctgtcg aacatccaac aactaanaac cctctcgagc cagtcacggt 420
 natgttccac acctggagtc tcaaaggng aaaccgttcg caagtaacct ctgggnaaaa 480
 tntgaaacac aaggng 497

<210> 12694
 <211> 347
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-A2

 <400> 12694

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gtagcccacg cttgccagcg tggggatttt tcntccctg cntctctcta tttcacattg  180
cnatctgttt cccctcttgt ggggccgttt cctcaatcat ctagtgtaat caagcgtctt  240
aaaagtggan aacggcattt catctccat catactcaga tctatcgacg cnggttcttc  300
ctcgatctcc ctttaaacct tcttccanng tnnctgccg cngggna                347
  
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<210> 12695
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-A6

 <400> 12695

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gaaggccggt gctgtacta acggaactgt tgcaaagaag tctaaggatg actcatcatc  180
atctgatgat gattcttcag acgaggaagt tgctgtcacc aagaagcccg cagctgctgc  240
taaaaatggc tctgtaaagg ccaagaaaga gagttcgtct gaagatgatt catcttctga  300
angacgaaac ctgcnangaa acctgctgct aagattgccg ngccanctgc taaaggattc  360
ttcatcctcc tgatggatga ctcatatgaa nggattccga aggatgataa actgctacca  420
anggaaggca gg                                                         432
  
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<210> 12696
 <211> 423

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 atgggaacag tcaccaccac agttctcaca aga 93

<210> 12699
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B10
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 tataaaaaac catttctttc ctgcaanatc gttgcttata atcagacgca catcacctgt 180
 tcgataaaat tcctctgana gtgttttttt tgttttcctt ctgacaaaga aatatgtatg 240
 tantgaagcg tgacggaaga caggaaactg ttcatttcga taagattact gcgaggctta 300
 agaaacttaa gctatggggc ttagcagtga ccattgtgac cctgtcctcg ttgctcanaa 360
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<210> 12700
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B11
 <400> 12700
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 atttcgaaga gctgagagat tagggtttct cgattttcga gattagagtc taatccccac 120
 caccagcata gctgatatcc tggaggagag aatgacggat tcgggtctaa tgatgccggc 180

ggagattgct ggaattctaa ccacggcgat tacgagttgg tgggatgatg ttaatgagtc 240
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 cgttgctctt gttcaactga taaggatcca aatgagagtg cctgaagtat ggttggacta 360
 ctcagaaggt gtttcatctt atgaactttg tcgtcaatgg aggtgattat tttccgtgcg 420
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 g 481

<210> 12701
 <211> 254
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B2

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 tgacttgtct gattccttgt caaacaagaa accgaagagc catgggaaca gtcaccacca 180
 cagttctcac aanaacaanc atcaccacan gtctaaacct aaaccgaaac caaaagctga 240
 aanngccgc caaa 254

<210> 12702
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 gagattatgt tggacggaga acacggcatt gacaggacat acgacgttgc agagaagggt 180
 tgggctgagg tctttcttcta cctcgctcag aacaacgtca tgttcgaagg tattctcctg 240
 aagccaagca tggttactcc aggagctgag gccacagaca gagctactcc tgagcangtt 300

gcttcctaca ctctcaagct ccttcgcaaa cagaatccct cctgctgtcc ccggaatcat 360
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<210> 12703
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B4

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agcgaatcgt ctttagattc ttcaccaatc actatcaaaa ggacctcttt ttaaagcttt 180
tcgagacgag ctgggttttcg gatcctgtga gcttcagaga cgcttactgg gtttatcaac 240
aaggctttcc ctttgaatca agctttgatt gagaaaggag tgaaaagatt ttgattttga 300
tcagatacac aaagtgttct tgcgttagtt aagcgactan gtgtgtgttg ttgtagtgaa 360
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<210> 12704
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B5

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cttctccttc gtctgcaaca ttagaccagt atggagacgg acatttcaga aggatagcat 180
caaatgtatc tgcgtatggt aatatggttt cggacacact tcgtaacacc attccaaaag 240
cttgtgtgta ctgtcagggt agacaagcca agctcgcatt gctcaattac ttctactctc 300
angatcaagc aagagagagg gggaaacang ttgggacagt tactagantg aagatcgggc 360
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<210> 12705
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B7

 <400> 12705

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 agcatgaaca ctcaccttgg cattgaacaa agtcgtagag atgatttggg gtcacttggg 180
 ttcgttctca tgtacttctt aaaaggaagt cttccttggc aaggactgaa agctggcaat 240
 aagaagcaaa agtatgagaa aatcagtga aagaaagtat cgacatctat tgaggcttta 300
 tgccgaggtt atccatctga atttgcattt tatttccatt attgccgttc tccgagattt 360
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 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 aatggcgaaa aggttaacag tgaggagagt antagagatt ccggctcctg ggcgaagata 360
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<210> 12707
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-C1

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 gggtgattcc atcatcaca cgcataaata catagaaana tgggacggan atagcctttg 420
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<210> 12708
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 taaagaaagt cagcctcaa gaaatttttc ctccaaaggg nngaagaaan gaaggctgaa 360
 agccaaaggg tgtaacctat ggggtcaaag ccgctnagac ataagcta nctcctccaa 420

cgggcctaaa gccgt

435

<210> 12709
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-C11

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<210> 12710
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-C8

<400> 12710

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tggtTtaagt 70

<210> 12711
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-D10

<400> 12711

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ccaagcatcc ggaattttat catccccaga taccgagata gacaatgcat ctgatagaga 180
gttatccttc aggatattct tgacagatga acgtgggttg aacattaaac cactgcagtc 240
tgaatcttct ataagcccgg gtaccgttac aagagtttta agtcgagtgg aatgaggggtg 300
agcatgaaag atatgattcc agctacttga gtgatcttcc agangttcat aaaacaagtt 360
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<210> 12712
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-D12
<400> 12712

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cgggcgacta gccaggatcn gtcaccccga tgtagcgaga aaatagtcgg gataactcgt 360
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gaaaag 426

<210> 12713
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-D9
<400> 12713

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tgtgaaccca tcgtttgtgc catgatatta tggatcattc tctgcctaata gcaaggtaat 180
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<210> 12714
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-059-Q1-E1-E11
 <400> 12714

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 aagaactggg aggagaagtg aagtcgatgg gaaaacctca taagatgac tatgagtctg 240
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 atgatataag gggagcaaat gtttcaggaa ttgaatcaat attcatcact ggagggattc 360
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<210> 12715
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-059-Q1-E1-E12
 <400> 12715

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 catttcgaga cgcaatacta atccttgatt caaattcgaa ttccagtagt caagatgatg 180
 aatggagcc tcctaatacga ccaattcgaa ggaggtttat taatcgagaa tcggatttgt 240

cgaagatctc tatggtattg tttaaatgaa gaagaaaggt aaaaaaaaaag aatcagctaa 300
 ttgtgcagaa gatgaggaaa gaacaagaca tagaagagtt tgcttttgct tcaattcttt 360
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<210> 12716
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-059-Q1-E1-E2
 <400> 12716

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 aagagtcttc ttgttgcttg cnaaagccac aacagagcaa tcagggtccag taggaggaga 240
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 ttggtgaaat ggaacaagag tttctccaag cgttgcaatc ctttctatta tgatggnaa 360
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 aagcatt 427

<210> 12717
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-059-Q1-E1-F1
 <400> 12717

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 ctcttagaga aagagaaaact ttccatcaac tacgccaaact gcagaagctg gcaccttggt 180
 gttgagacct ctaacatcat acacttcgac acggtgcccc caaattgcaa agactatggt 240
 gaagacgact tgatcacttc caaacgtac caatagcact ccaaaaccgt gtgcaaagag 300

gcttatttct atgccaaagg actttgcccn aanagaacga caccngtcaa ngtnnttgat 360
ctttgaccta nangataccc ncctctctaa gtanttcctt aacnaaggcc anaatatgga 420
tnanggnanc ag 432

<210> 12718
<211> 490
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-F12
<400> 12718

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cgcgtccgct cattttcccg agcgatcgtc catggcggac atcgacatcg gaaccgcagc 120
aacaacagga ggaaacgaag gaagaggagg cacacgagaa cgtctaataa accgagaaaa 180
caagttcaca cgtagcgtat ctacgcaca agacgagctc cacagtttcc ggaaatatct 240
ccgatggatg tgcgtagatc agtcgagtc ttggacggcg gttctatcat ggtctatgtt 300
cgttgttttc acgctcgttg ttctgccac gtctcacttc atgctcgctt gctctgactg 360
cgatagccat cactctaggc cgtacgattc cgttgttcag ctttctctta gcaagtttcg 420
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caatccttgg 490

<210> 12719
<211> 340
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-F3
<400> 12719

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ggagagaagg agaaggacat ttctgattcg attgatgtga aacgctccta cttgattcnc 180
gtcgtctgag atgggagtta tcatcnagga ttgataatgg ttcccgaatc atcatccgag 240

ggatanngan ttnttctggc gatgatttcg aattcnaana gttgatttcg anattcgatg 300
caccggaggt tnnnagaatt tctcnagacc tganncttta 340

<210> 12720
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-F8

<400> 12720

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aatcttcggt ccgattccaa ttcagaggca gcgcatgggt cttctgagtc tgagactcga 120
gtctctttta ggaagaagag gataaagcag gatgatttgg agcctgtaaa gaaatgttcc 180
gccaganaaa ccaaggcccg caaggacatg tgtggantac ctgatataga agactctcct 240
tatangaaga ctaatggaac tgcttcatct aggacganga aaactaaact catacatag 300
gatcnnca anctagccct tcngcatcgt cgatcaanga cagcaggggc ctanggcata 360
ncaccctgaa aancngggan gaagggtgctc gaagggttnt 400

<210> 12721
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-059-Q1-E1-F9

<400> 12721

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tcttctgggt ttctgagctt tagcagagtt atgagtcttg acagtatgga tgttgattta 180
agtaaagagc ttgcatcgtc ttctaaatcc gttgtgaaaa atcgtcttga cacctccaag 240
tcagaagcta aaaagcaaat gagtaaggct attgtgtctc ctaaatggaa gctggcacct 300
acacgtcgtg agcaagagaa atgggataga gcaacgaagg ctgcaactgg tggcagtgat 360
gtgatgttta gggagctgag acggccacgt ggtgacccaa gaagtacaag ctgctaaaga 420

caag

424

<210> 12722
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-G10

<400> 12722

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gacttggttac ctcccttgagt cacaatgttt ccaacaaatc tgatgcagag gcagagcggtt 180
cctgtgatga aggagaaatg ttggataaga ataggataag caagaaaaac ccgtttgttt 240
cggaaagagc ttctcaagaa gttgaagaga tatggactct ctggaatatt atcctatggg 300
gttacttaat acagtctatt actccacagc tttcctcttg ggtctgggtt tatgtggctc 360
cagcaccggg gaaaaatggg ttatcttgct gcggctgaga gatttcttaa ag 412

<210> 12723
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-B12

<400> 12723

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caaaaaatgtg tgcattagta cctccattgt ttccaaactt tgggtggcca tcaacgggag 120
agtacgacag ctactacctc gccggagata tcctcaacaa cggcgggttt cttgattttc 180
cgggtaccgga ggagacttat ggagctgtta cagcgggtgac tcaacatcag aatagctttg 240
gtgtttctgt ttcgtcggag ggaaatgaaa tagacaacaa tccggtgggtc gtcaagaagc 300
ttaatcacia tgctagttag cgtgaccgtc gcaggaaaat taactctttg ttctcatctc 360
tccgttcang tctcctgcct ccgggcaatc cganaaacct aa 402

<210> 12724

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-H12

<400> 12726

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<210> 12727
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-B2

<400> 12727

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tattaataaa aaaaaataaa aagaagcaga aaagagataa tgcagggtgg taggcttttg 120
acggtgttgg tgtgectcgc ctccacggtg gcgttggtga gcgccggtga cccttacttc 180
tactacacgt ggaacgtaac ctacggaacc gccgcgcctc tcggaattcc tcaacaggtg 240
attctcatca acggacaagt tccttggtcc taacctaaac tcaacctcca acaacaatgt 300
cgatcatcaat gtcttcaaca acctcgacga gcctttcctc ttgacctgga gtggactcca 360
gcacaggaag aactcatggc aagatggtgt gactgggaac tcatgccccaa tccaagcaa 420
ggnnccaant nacctttacg 440

<210> 12728
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-B3

<400> 12728

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gagcanagtg tgttacanaa gagttgtgtc agtgaaggcn caggtgacaa canatactac 180
cgaggcacca ncagttaaag tagtcaagga gtctaagaaa caggaanaag ggattgttgt 240

caacanattc aaacctaaaga acccttanac tggtcctgc cttttgaaca ccangatnac 300
 ccggtgatga cgctcccgt gagacttggg acattgtctt caccanccga atgtgaggtg 360
 ccgtagagag aangacantc gataggaagn gattgcagca gggaanggga ncngcag 417

<210> 12729
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-B8
 <400> 12729

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 aatccacacc agttggccaa atggtcttaa caaagccagc aacggttaga ttcaacggtc 180
 ttgatgcaga gccgaggaaa gataggggtga ttctccgtca gccaaggagt agcaggacca 240
 gtctctggat atggtgtggt gccggtttct gttttgtggt cagccttttg cttatctttt 300
 ttgcgattgc cactttgata gtgtttcttg cgattagacc aagaatacct gttttcgaca 360
 tcccaaacgc aaacctacac acgatctact tcgacacgcc ggagtttttc aacgggngaa 420
 nttgncnaa gg 432

<210> 12730
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-B9
 <400> 12730

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 catggcgacc aacggagaga aggtcacggc tacggtggtg aatggcggag ggctatctac 120
 tggtgaaaac cctaagaaaa ttgtagacct caacactacg gagttagatc gtactgacga 180
 cattctcgac ggagaagtca agggattttc agattctggt gaaaagaagg aagaaaccga 240
 ctctaattggt attggatcga cggctggtgt tgattctggg gatattctctc cggctgatga 300

tatccaagaa gaagattcga cgtgctgaga gggttggtgt ttcggtgaaa ttgaccgaag 360
angagaagcg caattctcgt gctgagaagt ttgggtactg gtacctgcaa ncaattgggtg 420

<210> 12731
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C1

<400> 12731

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gtaactgttc ggcggaccac ctgagatctt tgcttagcag atctcccgca gacgccaacg 180
tcggtatgct ctgtatcgcg tttccgaagt agtacggatc catcttcggc tcaagccggt 240
gccggcaatt aaccgccatt cgaaacgtcg tcgtcttgct cggatcgaga ttctctgctc 300
gtgtaacgga tcgccatagc tgagcgctga gagattggaa cgatgaaatc tcaagccgtc 360
cgatcataac tcttcttatt attcaaaaaa ctatcaaaaa cgtttggtta tcgcctctct 420
gctgaaatga aaaattctct ccccgtagaa ggtgggtccg ggtcnaaagt gaaaacgtgg 480
gccnacg 487

<210> 12732
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-058-P1-E1-C10

<400> 12732

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agcgtatgat ggtcgaaaaa gtctttacac tgctgggtcca cttcccttta actccaagga 180
gttcagaatc aatcttcttg acgaagaagt aggggctgga ggtcaaagac gagaaaggga 240
atttaaagtt gtgatcaagc taagttgcac gtgctgatct gcatcaccta ggaatgtttt 300

tggaggggaa acaatcagat gccccacaag aagctctgca agttcttgac attgttcctc 360
 gtgagctgcc gacctccaag gaaaatcccc gtgggccgtc cctttaatcc cccggaa 417

<210> 12733
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-C11
 <400> 12733

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 tcgtcgcgat tatctacttc catccgaccg cttgttctgg ccccaaactc gatatcgtcg 180
 ctaatcgcta gaaattcggt gttcactgcc tccaacattg gtccatccat cgattttaac 240
 ttctccaaca cttcgcttcc tcacggaga agcctctggt cggaagctgg aggtgaaaat 300
 ggtgtgttgc tagtgaaatc aagaggaaga gttcatcaat gcaatgagca aagctcaaag 360
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<210> 12734
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-C12
 <400> 12734

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 atcacctcgc ctacgatgtg cctccgcagc ttcttcttct tcttccagtg ccacgacggc 180
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 tcttgaacct tatgcttata agtgggaaaa atcccacagt gcaaatacaag cttcaagaag 360
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agctgggg

428

<210> 12735
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C2

<400> 12735

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atcgacagtt tcgtctccag aaaattgctt cagcagatcc catttgccca caacgctcaa 180
caagctcatg tacctgataa gaacaacttg agcgggaatg ttctcatgct gctctctatc 240
cttttgtgcg gtatcatctg ctccctcggg ttgcattaca taatacgttg tgcatttata 300
cgttctcgaa gtttcatgat ctctgatccc atctctatcc catccacacc aagagattca 360
tcaagtaaac agaggggatca agaagaaagc cccangatgt taccaanttg ggaattncnc 420
ncccggaag taaccngggg g 441

<210> 12736
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C3

<400> 12736

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ttgacttgcc ttttcgaagc aacctgattc tgtggtctga atcttttcaa gggaagagaa 120
gataagctaa acaagagaat ggtgacaggt tgtgttgatc ttcatcaatc tttcaaactc 180
gcagattcac cttctgtgcc aattcctcct cctcttccat caaaatctga tggactcaag 240
aaaaaacttg ggcatanagc cgtttcgaca gccacaagag atatgtggga tcgtcttttc 300
aatgacngnt acaaagctga tgtagtcatc tanacagata atgggcangt atccatccat 360
gcncatgcc aatccttttg ggaactggct ccaccggnch ttcanacggc aatgttgnaa 420

<210> 12737
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C5

<400> 12737

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acccaatgct cctgaagaaa cgcacgtat cacttatctc gctcactc aatcctgccg 180
cttccatcgt cgccttcgt ggatttcaac tcctcgatat ttactggaag aatgagcata 240
ggctattgtg ctcatctgaa gtttgcacta ctacagagcg ggatcgtcac gagaaatccg 300
tctataaggc tcagaggaat ggggttctgt gtgcggctgg gatccttctc tactgggtgca 360
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<210> 12738
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-C6

<400> 12738

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cttgtcgttc tctctcgtc ttcttctctc ttgcggcca agaaggacgc caagaagaag 180
aagaagagta ataaggaggt gacatatgat ggaacctctt tgatcatcga tggcaaaaga 240
gagcttcttt attctggctc tattcattac ccgagaagca ctccggaaat gtggccaagt 300
atcatcaaga gagccaagca aggcggtttg aacacgattc agacatacgt tttctgggaa 360
tgtacatgag cctcaacaag ggnaagttca acttttcggg gacgagctga atttggggaa 420
gttcg 425

<210> 12739
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-C7

 <400> 12739

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 gctgagctcg ctctcctccg tgtcgctaaa gtcaccggag gtgctccaaa caagctctct 180
 aaaatcaagg tcgtgcgtaa atccatagct caggttttga cagtgtcttc tcagaagcag 240
 aagtctgctc taagagaagc atacaagaac aagaagttgc ttcctcttga tctccgtccc 300
 aagaagaccc gtgctattcg tagacgcctc accaaacacc aggcctcgtt gaagacanga 360
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<210> 12740
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-B11

 <400> 12740

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 ttcgatcaac caatttacga catggatgag gttgttggtg aagtggagaa gacgaagaga 180
 gaatgggaag aagcgtaga gaagacgatt ggacatatta tctcgattca acagtacggt 240
 aatcaagga ggggagatgg aggagaagag aagttttcgt tacagaggct caacggattg 300
 gtcaggatg gtctctctct tctcaattcc cttcaattca atttggatct gtcgcacct 360
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 gaagga 426

<210> 12741

<211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-C8

 <400> 12741

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 aatttaagcc atctttgcct caaatcgaag atccaaagac ggtgaaggat gtagagcctt 180
 acaccgttaa agtagtaatg gtctttgtgg ccgacctcga gaaggaatgt cccaagacaa 240
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 gaaggattgg ccaagtagat tacgaccggg acatgaaggg caaagccggg ggtatcttca 360
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<210> 12742
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-H1

 <400> 12742

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 ccttacaaat tcccttcttc gactcgtecg ccaactcctt ctttcagatc tccaagtctc 180
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 gaagaaacca tttagccac ccaggaagt gcatgttcaa gtcttgcaact ccatgccacc 300
 tcaaaagatc gagatcttca aatctatgga aaactgggccc gagggagaac cttctgattc 360
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 agangngttt tg 432

<210> 12743

<211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-H12

 <400> 12743

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gcgatcaatc gtaaacgcag cgacgaatcc ttcaatttca ttaatcaaca atcaaccaac  180
cctttangaa gttcacgcta ttccaaggc ttccaagaaa cgaagattct cattcgctat  240
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ccctgatgc tnaagctcct ctnagacnag nagattcatg cgcctantag aaggaattcn  360
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<210> 12744
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-H3

 <400> 12744

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<210> 12745
 <211> 520
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-057-Q1-E1-H4

<400> 12745

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gnnnnnnnnn ngnaactgtn tacgcctgcc cgtngcccgt ccaaaaattc aagggtcnac   60
ccacgcgtcc gcacacgcgt ccgctaaaat cgcgaaagag atatcttacg aatctccaca  120
agtgcgaatt tcgaacggag ctacgattcc atggcgacca acggagagaa ggtcacggct  180
acgggtggtga atggcggagg gctatctact ggtgaaaacc ctaagaaaat tgtagacctc  240
aacactacgg agttagatcg tactgacgac attctcgacg gagaagtcaa gggattttca  300
gattctggtg aaaagaagga agaaaccgac tctaattgga ttggatcgac ggctggtggt  360
gattctgggg atatctctcc ggtcgatgat atccagaaga agattcgacg tgctganagg  420
tttgggtgtt cggtgaaatt gaccgaagaa ggagaagcgc aattctcgtg ctgagaagtt  480
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<210> 12746

<211> 87

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-057-Q1-E1-H6

<400> 12746

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gcctctccgt naccaccgcc tccggga                                     87

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<210> 12747

<211> 366

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-058-P1-E1-A1

<400> 12747

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tatgttttggg tcaactcgta gagtcacttc gancactgnt tgcattgtgat tcancaaacg 180
 ggtaaacggg acgctccggg tctgtcnggc caatgtaccg attcatgtgn gagttcaaag 240
 atttgctccn ggaaagntca cnttgcacgg agaagatccg naacctctc aaaaatgcng 300
 cggccgnncc aangtctcgg gnattggngg ccaatnantg ggggggnccn aagggccccc 360
 acggggg 366

<210> 12748
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-A10
 <400> 12748

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 tcttcttcat agcacaagtg tgtttacttg ctggctctgt acgaaacgct taccatacaa 120
 agtaccgtgt ctactttggg aacacttccc cttcttgcg atcactgagg aaaggcgtgt 180
 ttggggctgg agcagcattc atagtgtca cggggattgt ctccgaagct ttactatgtg 240
 accctttcga gggccaaaga ctttcaacct tcaagagatc ccggtatccg aatgagtagc 300
 ctgtagaact tacacctgct ttgtagattt agaataatta tgttcattgt tggttatcaa 360
 cctactaacc tanggtcaan tgggtgttaa ggaatntaat nagtaatgga gggnaaacca 420
 acatttt 427

<210> 12749
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-A12
 <400> 12749

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 gcttcatggc cagcatgatg atgttcgtgg gatttgtgtg tgtaatgatg agaatatagc 180

tnaaaciaag actaaaagtg gttaaaggaa tgtattactc actcactttt aagtgtgcc 360
 aaaaacttgt nnaacaagna cgaagagAAC ttaacatata tngttagnca cctgantccc 420
 ngg 423

<210> 12752
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-A7
 <400> 12752

gcgaaaccct agtcgatttc gagatccaac caactctgct ccttatctca gcttggtgaa 60
 tttgcgaagt atgggagacg ctagagacaa cgaagcctac gaggaggagc tcttggaacta 120
 tgaagaagaa gacgagaagg tcccagattc tggaaacaaa gttaacggtg aagccgtgaa 180
 aaaagggtac gtgggaatac acagttctgg attcagagac ttccttttaa aaccggagct 240
 tctcagagct attgttgact ctggatttga acatccatct gaaggtaata aacgatattt 300
 caatctattg gtttgaggtg agcttaaaca tgtgctaaag ccaccaattt aaaaggatat 360
 ggaggttatc atctacenta taaaggnttt cctcggntan aatt 404

<210> 12753
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-A8
 <400> 12753

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 gttgatatag gaacagatcc aaatgaagtg ttccaagatg tggagtgggc tattctgatt 120
 ggagcaaac ctcgaggccc tggaatggaa cgtgctgact tgttggacat caatggccaa 180
 atctttgctg agcagggcaa agctctgaac aaagctgcct ctctaactgt caaggttctt 240
 gtagtgggaa acccttgcaa caccaatgcc ttgatttgtc ttaaaaatgc tccaacatt 300
 cctgcaaaga acttccatgc cctcagagg ttagacnaaa atcgtgccaa atgccagctt 360

gctcttaaag ccggtgtttt ctatgacnaa nttgttgnat aatgaccnta tgggggaaat 420
cacnccncg nancng 436

<210> 12754
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G7
<400> 12754

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tcttcacgct tctcatcgat ccttagcctt ctcttgatct ccatctccat agcttcggct 120
gagattcgta aatcagagat ccgatccgat gatcgtccaa tcanccttt agacgaattc 180
ggtttcactc acagcggtcg tcttgagctt gacgcttcca agatctggnt ttccaacagc 240
aatcccgatc tcatctctc caaagtgggc ttctttcnct gcactagaga cgcttggggtt 300
catgtgatcc aacagcttga agaagaagag atcacgtgcg ctnacaatc agatctcgtn 360
aagcatgtgt tcaccttcaa caatctcaag ggaggagatn agagcagatt cnncaacggt 420
nntcnagg 428

<210> 12755
<211> 393
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A9
<400> 12755

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ctctttttca aggaagccac cacatcgaga aacatctgtc gaggcacgg acgttgatta 120
ctgtggctcc gaacgcttct gtgattgggtg atgttcagat caataaaggc tcgttcattt 180
cgtatgcaag tgtttctcgt gatttgcagt atcctcgtgc aatgggaatg ggacaggtcc 240
ggagatttag cgaagatgtt tctcacatgc ctgaaatgga agactctgat gttctgaatg 300
cattcaaagg acttgatggc tgcagattgg gctgaagctt ccttctgctg ttgttnaaag 360

gcntatc

427

<210> 12758
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-D2

<400> 12758

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aggatagaga tgacaaaaga agaagagcgg agttcatttt gagacagtgt atggagaacc 120
cagtagacct caatcagttg taaaataagt gattcattac agtctgtgta gcgtactatt 180
aatcttgtga tttgtaacct ttctttatac aggccatgt tatgattatg attttgtgac 240
tgaaagaatg agaatttcta acctatcttt taggcaattg atatgatgtc tttctcatga 300
gattcttggt acataactta atggttagttt caaaaaaaaa nngcgnnggn nacgggnnna 360
aaaaaagggg cggccgctct anaaggatnc aaggcctaac gntaccccg gnatgncnnc 420
gtt 423

<210> 12759
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-D3

<400> 12759

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attcaccggg tgataacatt gangcagaaa gattctccgg tgataacatt gangctgang 120
agcaatgtat ccgactgggtc aacagatttc gtttcaganc actccgttga atgttcagga 180
tccaacaang atgatgaatt tggatcaatc ttcaccagtt gcaaganatg aanctcagaa 240
tggaggaggc attgctcacg ctgagtttgc natgttnaan tcc 283

<210> 12760
<211> 56

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-D9
 <400> 12760
 aattcccgaa aattggatgg gtgttatccn gttaaanggc gaaaaaacgg gcgcca 56

<210> 12761
 <211> 366
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-E2
 <400> 12761
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 agggaaattc cgcnaantt naatttgcna tngatacnct taccggcgaa tcattcgcca 120
 tcaaaatcat cgagaantcg tgtatcacac gtcttaacgt ctcttttcaa gattaagaga 180
 gagattcgaa cactcaaagt tttgaagcat ccaatcattg tccgattaca tgaggctctg 240
 gcnagcaaaa ccaagatnta catgggttctg gaangtgtca ctggaggana cttatttgac 300
 agaattgtct cgaaangata actttcggaa acacattgac gaaaaatgtt caagcagtn 360
 aantga 366

<210> 12762
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-E4
 <400> 12762
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 gtttggagta gctgcaagcc aaggagcact tcttcttgct ggaggtgaaa aangaatgcn 120
 ctatgcaatg ccaaatactc gtgtcatgat acatcaacca caaactggat gcggaggaca 180
 tgtaaaggac gtnaggagac aggtcaatga anccatcgaa gcccgacaaa aaattgacag 240

gatgtatgca gctttcactg tgacaacctc tgggagaaaa gtgcagcant acactgaaag 300
 agattcgntt tccctatcan catctgatgc cgctttgagt tccgggctca ctgganngtc 360
 ctattgggaa acanaatacc tgaancancc tanaaggaca atgnnc 406

<210> 12763
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-E6
 <400> 12763

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 ctgtggactg cctgaatcaa aagacaatgg caacatgttc ttcaagctta ttggtgttac 120
 caaatTTgag attgagttct aaccaaagac gcaatttcaa ggtaagagct caaatctctg 180
 gtgaaaacaa gaaggcgaca tcattggaac cagtgaacaa caacggttcg gtctctttgt 240
 ctactactgt tcaaaaccaa aaaggggcaa atgaagtga tgggaaagg aaatccaaga 300
 gaaagatagt gagtgatgaa attgagttgt tatgggatga tgggtatggc tccaaatctg 360
 ttaaagatta ctttgctgcg gctaaagaga ttttgaaggc tgatggtggt cctccacggg 420
 gggtttaatc 430

<210> 12764
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-E7
 <400> 12764

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 taccgcactt gatagtgaac ggagaccagc ggcattgggg agagttcatt actccaggga 180
 ttcttttctt ctacattgct ggatggatcg ggtgggttgg aagaagctac ttaatagcta 240
 ttagtggtga gaagaaaccc gcgatgaaag agatcatcat cgatgttcct ttggctagtc 300

ggatcatctt cctgtggtttc atttggcccg ttgctgcta cagagagttt ctcaatggtg 360
atctcattgc taaggatggt taaaaaggga acttgttttc cgcttttggg ttactcnnc 420
ctaaa 425

<210> 12765
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-E8

<400> 12765

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gggaagggtct ggagatcaag gtggtgaatc caccggcggc ggcgacaaac aatgtggctg 120
tagaaacgtc tccggcgacg gcgacgagga gacggagaca acaacaacga gcttcgttcg 180
ctgagtttag accgtttaag ctttggtttc catggcttgt tccagctatc gtggtggcta 240
acattgccct tttcgccatt tcgatgttta ttaacaattg tcctaagaac tcggcttatt 300
gcttagctag gtttcttggg agatttgctt ttcagcctat gaaagagaat cctcttctgg 360
gtcnttcttc nttgacattg gagaagatgg gggctttaga tgtatcaatg ggtggttcat 420
aag 423

<210> 12766
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-E9

<400> 12766

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ctcactggcg tcategccga gatcggagta cgatagtcag ccacgcgtac ggttcatgtg 120
tacttttga ggaaggatct tgccacgtcc gccggataat cagctctgtt acgtcggcgg 180
cgataatcgc atggtcgctg ttcacgtca cactactttc gcctctctcc ttagtanact 240
tgccnaanct ctccggtaan aagcaacata agcgtgaagt taccagctnc canncgaaga 300

tcttgacgcy ttgatttccg ttgcaacgga cgaagatttg nangaacatg atggacgaat 360
acgaccgcn tcgcacagaa tcaaaagccc acngggcctc tcgtcttcgt cctttttcc 419

<210> 12767
<211> 108
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-F10

<400> 12767

tgggctgcan cgtatgaaag aancancgtt gagtcttcac aagaattact ggatagagca 60
ttccgctgat ctgactgntg aagctatgat gcttgactcg agagcttc 108

<210> 12768
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-F3

<400> 12768

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cttaactaac gcaagaacac tttgtgtatc tgatcaaaat tatgggaaga aatctcttgg 120
ncatgatcgt tttagatcag ctctttccaa aacttttagg cagatcaatt gcagaacttt 180
tcaatctggt gtggggtttgc ttccaagacc taagagaact tcttcaacac ctttaaccaa 240
aggagctctt tctcaagttc agtctctctg ttctcctaag tccgttttac cgggtttttca 300
tcattcatct gttgacagtg gtagaaccag tccattcca attgctaatt gcagagggtc 360
tcaagatccg taggtgttct aagtgagttt gttgacaaaa ggagaagcct ttcttattct 420
gagctatggg cangacctac ttactccaac tcacctcaa cgtgcntcng tgcccgaatc 480
ccaangt 487

<210> 12769
<211> 236
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-F6

<400> 12769

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ccttgcaagt tcacagcttt catgggttac aaagctggta tgactcacat tgtcananaa 120
gtggagaaac ctgnatccaa gcttcacaag aaggagacat gtgaggctgt taccatcatt 180
ganacacctg ctatggtggt tgttgngnt gttgcctatg tgangactcc tagagg 236

<210> 12770

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-057-Q1-E1-F8

<400> 12770

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cggcatccgt tccagggctc atcgaactcg tcgattcgaa aaccatcttt gggaacgtag 120
ccgaactctt anagaaagan aaactttcca tcaagtacgc caantgcaga agctggcacc 180
ttggtgttga gacctctaac atcatagact tcgacacggt gcccgagaa ttgcaaagac 240
tatgttgaag actacttgat cacttccaan acagtaccaa tacgatgtcc aaaaccgtgt 300
gcaaagaggc ttatttctat gccaaaggac ttgccctaag agaacgacac cgtcaatgtt 360
tggatccttg ncttagatga taccctnctc tcctaggtat tcctactna cgnccgggnat 420
ntggaanagg gaacanng 438

<210> 12771

<211> 55

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-057-Q1-E1-F9

<400> 12771

tctanggcaa ganctctccg atcacttcac ttctcctaga gcagaatctg atgaa 55

<210> 12772
 <211> 144
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-G1

 <400> 12772

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 gtgganagtc actgtgattn nact 144

<210> 12773
 <211> 53
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-G10

 <400> 12773

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<210> 12774
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-C9

 <400> 12774

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 ggacccgaca aagaacgtcg atgaagatgg tcgagagaag cgtaccggga cgtggcttac 180
 ggcgagtgcg catattatca cgggcgtgat aggctccgga gtgttgtctt tagcatgggc 240
 tatagctcaa cttggttgga ttcgcatggg aacatccgat tcttactcaa ttttctcgt 300
 tcantaacnt acnttaanct ccaancatgg ccttgcccga attgctaacc gttgcgcgg 360
 attcccgnrc aaccgggaaa acgggaattt acaccttaca atggaagttt ggttcgattc 420

ttacccccgg nggtg

435

<210> 12775
<211> 124
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G11

<400> 12775

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tcgatctatc tcaactcaag tgggtgcgtaa ccggcatgaa gagggttnag ancagccaga 120
agat 124

<210> 12776
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G3

<400> 12776

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ttccgggaac aaaaaaccta gctttttttt tattccggct taaccagttt tcgaaaaacc 180
ctagcttcca tggcgaaaac tcgacctggt gtcgcctcca aaattaagac gggaaggaag 240
gagctggact cttataccat caagggcacc aacaaagtgt tgagagcggg agattgtgtg 300
ttgatgcgcc catcagatgc tggtaaacca ccatatgtgg cccgtgttga gaagattgaa 360
gctgatgcga agaacaatgt gaaaggtgca ctgtcgatgg tantaccgcc ctgangagtc 420
act 423

<210> 12777
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G5

<400> 12777

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aatcgcaaaa gaagaaaaaat tcggatcaaa attgtcttca agcatcatgg atccatacag 120
ggttcgtcct tcaagcgctc atgattcccc tttcttccact acaaactcgg gtgctcctgt 180
ctggaacaac aactcttctt tgactgtcgg aactcgaggt ccaatccttc tggaggacta 240
tcattctgctt gagaaactcg ctaactttga cagggagcgg attcctgaga gggttgttca 300
tgccagggga gccagtgcta agggtttctt tgaagtcact catgacatta cccaacttac 360
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ctngtca 427

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<210> 12778
 <211> 726
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H9

<400> 12778

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ttcgggtgagt cctcgaaata aaaatcggat gatgtcagaa agaattttta tccaaacatt 120
aattggtcgt gtcttagcag acgatataata tataggttcc cgatgtgtcg cctttcgaaa 180
tcaaagatcc tgggattgga cttgtcaatc gattaataac ctttggaac acaatcaata 240
tccattcgaa ctccctttac ttgtcggagt acatcttggg atctgtcgat taagttatgg 300
tcggagtccc actcatggtg anctccgttg aanttggggg aaagctgtta ggtaattatc 360
gccggtcaat ccgatccngg cgaaaccngg ggactccaac taacaattaa agaaactttt 420
caaaaccggg cnggagttat ttacaaggan ggtactggcc gaaacaatgt tccaaacccc 480
cnttataatn gggaaaaatc caaattccaa tggagggatt ttggntcaaa ccnaaaacy 540
tnaaacgtta acggggnatc cngcccttt ccaaaggnta aaaaaaaact tgnccggtaan 600
ttattgnnaa ccnaaaaatt ttgttcaaan ancggtgacc aatnccacc aaaaaaantt 660
ttcctttaan tcaaaaangg gccaaaantg ttccnacnaa ntttccaana aacccccnan 720

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gggnnt

726

<210> 12779
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A11

<400> 12779

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gaaaaaccct aagctctcgt ttttcgtctt ctccgattct gcaagtatga gtcgatcagg 120
tcagcctcca gatctcaaga agtacatgga caagaaactc caaattaagc ttaatgccaa 180
cagaatgggt gttggaactc tccgtggctt tgatcagttc atgaatcttg ttgtggataa 240
cactgttgaa gtcaatgggt gatgacaaaa ctgacattgg ggatgggtgg tgataaagag 300
gaaacagcat tgtaactgt tgaagctctc gaaccagggt gggaagatnn naagcttatg 360
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cncg 424

<210> 12780
<211> 233
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A2

<400> 12780

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cgcatccttg attttgggat actgtttttt ttttttttaa tcttgtntca ttttcacgtg 180
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<210> 12781
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A4

<400> 12781

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caagatgcaa aacgaagagg gtcaggtcac tgagctttac attcctagga aatgttctgc 120
tactaaccgg ttgatcacat ccaaggatca tgcctctggt cagctcaaca ttgggtcattt 180
agatgctaata ggcttgtaca ccggacagtt cacaaccttt gctctctgcg gttttgtccg 240
tgctcagggg gacgctgaca gtgggtgcga cagggttggtg cagaagaaga aggttgaagc 300
caaacaaaac taagagctta atctgtcttg ttttttgtcg aatcttggtt ttttttttcc 360
gaaagattgc ctcatactga agtaatgatt ttggcnttgg gtcgtgggaa cttaactaaa 420
tg 422

<210> 12782
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A5

<400> 12782

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aaaacgagta ggccataaat tacatctgtc gagaagaaat ctgttcgaga gaatggattg 120
cctgggaatt tgggtcaaagt ctctgttaat ggtaaaagat tagcggcggc caatatccaa 180
tggagttcac tccctccatc tctttcgagg atgggacagg aagtattgag gcatagagaa 240
gctgctcaag tagtcgaat agaggccctg caagaagcct ctgcttccga gagcttactt 300
cagtgcctca ttatgtactc cgatcttttg tcaacggcga aggaagatga tcattgccag 360
tcgttgagca gttcttgaaa gcccattnc cgggtttgaa aaaaccnccn aagttntg 418

<210> 12783
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A7

<400> 12783

gaaacaaaaa tcaaaatata gttatccctg gcttaggggt taaagcccgt tgctgagtct 60

tttghtaatct gacacacatc acaacaattt ctcttttacgt tctttttggta cgatgctttt 120

gtgtttttcag tttatcttaa ctttggtttta tttctcaatt ttacgattca tgggttctgta 180

aatccatatt gggcagtcctt ttcataaaca aaacgaggtg tgatgctaaa tttcattggg 240

acaacgctat attgtagaag acggtgaaga ttgttatacg ttttgcaagg cagggattta 300

tgatgacact cctccgggtc gttttgcttc cttgaaggca attgggtttt ccaanttang 360

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gnaacg 426

<210> 12784

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-056-Q1-E1-A9

<400> 12784

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cgctcgcccc gtcgttctcg tctctncaaa tgacgatctc aatagcggcg gcgatgataa 180

cggagtcgga gagtctctcg acttcgatga gtttgagaaa tccgaacctt agtccgaaga 240

ggagcttgat cccggttcat ggcgatcgat ctcgagccag atgactcaan agtccanggc 300

agcctcgccg cagtactact ccggcctcaa aaagattcta tcggcggcca agttgagggg 360

aaattttcag gttganggaa ggaagcagtg ggatgaagat nnaaggctgg 410

<210> 12785

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-056-Q1-E1-B3

<400> 12785

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aatgctttga agtttctgta aagagaaaga tcnacaattg ttttgaatat gccgaggcag 120
aatcaaagcg tagagaatct acttctactt ggcaaaatca ggaaacgtgg ttgttcttcg 180
ccgacatcgt cgacttcttc gattcctccg tgaaggata gattcaaaag agcgatagtt 240
gttgggtaaa aagaggaagg atccactact cctgtaccta catgggagac ttatggggtc 300
gatctccttc tccacgagct tccggtgctt tacacgtgc tgcttctccg tcgtctcact 360
gcgggaagca aaaccgggta aagtatcaac tcccggcncc ngttcancta agga 414

<210> 12786
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-B5
<400> 12786

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agctcagtat tgttgttata tagaggagaa tctggaatca caagtagttt tattcgatct 120
gaatggcctg cggttgatat accacttgat catcatgttt tcaaagtccc aaaaggatat 180
aatgcaccac aacaagtaca cataactcaa ggtgattatg atggtaaagc tgttatcatc 240
tcttgggtta cacctgatga acctggttct agccaagtac attacggtgc gggttcagggg 300
anatatgagt ttgttgetca aggggaenta ccataactac acgtttttaca ngntnnaant 360
cnggcttant catcactgcc ttgtccnga ccttgagcaa ggannncan nccantacca 420
ggg 423

<210> 12787
<211> 56
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-B7
<400> 12787

agcagctgaa cgagctcttg cctttganat tgganggcac cgtgatcgat tcattc 56

<210> 12788
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-056-Q1-E1-B8

 <400> 12788

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 aagaagaaag aggattcaag tgttcatctt ttggctccaa ttccaattct caattctcca 120
 actgtggaat ggtcaagtct agtcgctgtt ggttcttata tgtacgccat taccgcagac 180
 atcaaagatt ctccatgctc taacgttttg taccttgact gtcgaacgca cacttggtt 240
 gattctccaa gattgagact ggctcacatc aatagtact ttaatgggag gacgtatttc 300
 ccaggaagct ctgaaaagcc agattctttg aactgtgttg aagtgtacaa cacaataact 360
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<210> 12789
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-056-Q1-E1-C11

 <400> 12789

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 aaaaaaagat tcataggatc ttttgcttga caatgaaaga aggaaaggat gggtttggtc 180
 gagcagatca gattgatcta aaaagcttag acgagcaact agagagacac ttaagcagag 240
 ctttgacttt agagaagaac aagangaaag atgaagaaga cacaaccgcc gtcgccatcg 300
 gtggctctgc ttcgtcttcc cctgtcactc taaacggcgg cggatttggt ggcaagagga 360
 aacagagact tgagtgggga gatngattct tcngaaactt 400

<210> 12790
 <211> 391
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-056-Q1-E1-C12
 <400> 12790
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 tttctcgcat ctctctcctt ctctacggaa ggtgcttatg gcggtgacgg tgagtttcag 180
 caagaacagc tccaaagtca agatctttga ccgagacctc aagcgaatac atcgtgatcg 240
 agcggcgtgg ctttctcgcc aaaaagaacg attcttttgt tgacgctgtt gcagataatc 300
 tacttgatcg cttagaggat tgtnaagaag agttttccca ctgcattttg tttgggangg 360
 atttcctggg gctgttaaga gattaccnan t 391

<210> 12791
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-056-Q1-E1-C2
 <400> 12791
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 tggctaaatg atttatctaa gtctacaagc gcgtctggtg gattaccaag tgaattgcag 180
 cttggtctac tgtctcctct atatttgagg aaactctttg aacgcatggg agctacttac 240
 attaagctgg gccagtttat agcatctgcg ccaactttgt tcccaccaag aatatgtcaa 300
 agaatttcag aactgctttg acaaagctcc tctgtgcca tttgaagaaa ttcgtaaaat 360
 cttgcaagag gagcttggga gacncattga aagtgtatac gaatatgttg accctacgcc 420
 aantgcatca gcctcaatag cacaaatcca tgggtgcaag gcttcnangc tcccaag 477

<210> 12792
 <211> 728
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H8

<400> 12792

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gacattcaga gcttggttct tgggtctgac ctcttggtt ctgctcatct ttctcaacac 180
gttcttcaca taccgtacgc agccactcac catctcagcc atcctcatgc agatcgctgt 240
tttgcccatc ggcaagttca tggctcggac tcttcccacc acttctcaca accttcttgg 300
gtggagtttt agcctcaatc ctggtccttt taacatcaan gagcatgtca ttancaccat 360
ctttgctaata tgtggcgttg cttacgggtg tggatgatgt tactctattg gggctatcac 420
tgttatgaaa gcttacgata gacagancct taagcttcat ctgtggtctc atcatcgctn 480
tgaccactca agattttggg gttangnttg ggctggggat tctagnagg taccgttgtt 540
tgattctggt tgacaatgtt ggggtggcct tcaanatctc cgntccaag ntccgcccc 600
ntncangang cggntggcaa cnangaagg gaaancnnt ccaanaggc ttgnccang 660
atnaggttnc tttcgaagtt agccctngg tggcaaaggc ntnattttnc tagncanttc 720
nanggcga 728

<210> 12793
<211> 154
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G8

<400> 12793

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gtacatccgt ggagtgcac ngaggtttct ctgncggatg aagganacng aaattgtggg 120
atcctttaac cncaacagtg ttacaaaaat ctgg 154

<210> 12794
<211> 666
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G9

<400> 12794

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atgctcccg ccgccatggc ggccgcggga attcgattat tggaaatcgt agtacatatt 120
gtggcactat ccgagggatt tcggtgagtc ctcgaaataa aaatcggatg atgtcagaaa 180
gaatttttat ccaaacatta attggtcgtg tcttagcaga cgatatatat ataggttccc 240
gatgtgtcgc ctttcgaaat caagatcttg gggattggga cttgtcaatc gattaataac 300
ctttggaaca caatcaatat ccattcgaac tccctttact tgtcggagta catcttggga 360
tctgtcgatt atgttatggt cggagtccca ctcatggtga cctccgttga attgggggaa 420
gctgttagta ttaacgcggg tcaatccgaa tcgggggaaac gggggactca actaacaatt 480
aagaactttc aataacgggg ngngnattatt naccagggaa ggtactggcc aaaanangtt 540
ccaaaccccc cttnataagn gggaaaaatc aanttcaatg aggatttggg tcacccnana 600
cgtaaacgt nacggggaat cengcctttc aagggttaaaa naaacnttgc cgggaaattt 660
ttnnaa 666

<210> 12795
<211> 725
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H10

<400> 12795

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agtacatatt ggagaataat gacctacttg aaaaattatt gcatcatttt gatcatcaaa 180
ttgaaatagt ccatctcttt tttcttttct tttttcgtct aaaagaaata gtccatctca 240
aaactttaat atanaagctt gcttgatagg cttaaggggtg tgtgttcttt gttgccccaa 300
caaaaagttc taagttccaa atatagcgga ttcattgggc tccgaacaaa tgagaagaga 360
tctattacat acaagtttag gttttaaaaa gtacccaaaat aagtcataa ggtaatgtan 420

aacaatatga aactgataat taattccggt tttaacttaa aagaaacctt tgaatttaaa 480
 agtagagata agtaactttg tagtancgtg ttatcagctc taagttacca gaaaccttta 540
 aattttgtan aaagataagt aaatttgtag taatcattnc catttancaa naangtacac 600
 gatttcctaaa aaatngaaat tccccngccg caaagggngg ccggaanaat gnaaattcgg 660
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 anngg 725

<210> 12796
 <211> 596
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H11

<400> 12796

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 ggcgagttct gttagctcaa taaccggaga atcgccacag aagaaactgc ttcaatcggc 180
 gtcttcttct tcttctctgg caatacttca tgacgaaatc gctgtgagtt gcttcgcang 240
 cgtcccgaag atgttactan ccgnggattt cactcgtctg caaggaactt canggggtta 300
 aatggggttcg ccgggagatc tacatcgaac gggcaagtta nttcgtccgc actgaaaata 360
 tccctaatat ggttgcaant tagatcaaga agctanaaaa aacccttaa ctngggaaca 420
 aaactccaat cctaaaaacc cctttgggaa caacaaggga ttaanccatt agattaantt 480
 ccgggttcca tcattccctt caattcccng ggatatggga acaactatta ancncgtccg 540
 ggttctgaaa cttacgntca ttggngngnt gcattgacgg ganaattaan ncccaa 596

<210> 12797
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H3

<400> 12797

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 agttttgccca cggaatgttt ttgttgtcaa agtagtagta tatctgggta tgggaaagtg 180
 acagatttag ttttaattaag ttgaatccct tattagtcac atgcattaag ttaagtaaac 240
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 ttgggggtga gaaaaatgtc actcttcatt ggattaagta atatacattt ttttgttcaa 360
 aanaannaan aaanggnnnc aaagnnnann nngnatcnta agcnc 405

<210> 12798
 <211> 811
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H4
 <400> 12798

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 actccacgca atcgagtccc tccgcgggat tctccagtaa ctccggcaac tcaaaatcgg 240
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 tcggttctag ctagagtttc tcctggaaac aatggtgaca aaggagtga ttcagatcaa 360
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 gggatgatgct tgtgtatccg gtggaatgga taaagagacc tgtctttctt gggttattac 480
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 gctacgaagg ggcttctcgg tcctccgtaa gtccctgggt gggngttgg ttaaggtgta 720
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<210> 12799
 <211> 750
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H5

 <400> 12799

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 aggaagagtg cgtatgcccc caaacaatcg ggtgcatagt agtgcagcgc ttcagactca 180
 tggaatatgg cagagtgcga ttgggttatga tccttatgca ccaactagta aagaagagcc 240
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 tttggctctt gctaggatta cgggttcgaa taacgatgag gctcgtgggt cttgtaanaa 360
 gtgtggccgt gttgggcatt tgacgtttca gtgtangaat ttcttgagta ctaangagga 420
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 ggagaaggtg ttggtaaang tgaaggttga cggangtgag gtanttgaat aaaggangaa 540
 nggagaattg agaagttcct gatttccgaa ngtttgaatt cctgaanaat gggagaggga 600
 ttaattgnct ganaagggtt nnggaangaa ncaanagggt gggagtnntg ttttaannaag 660
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<210> 12800
 <211> 750
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H6

 <400> 12800

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 tctctttcag tctcttcttc ttcaaccatc atcgattcaa gagctcctcc ttctcgacta 180
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catacccgctg ccgctaaagc cactgcttac tgtcggaaga ttgtgaggaa cgttgtgacg 300
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 ttacctgaaa tcgtcaagac tgctcaagaa gcttgggaga aagtggatga caagtacgct 420
 attggttctc ttgcctttgc tgggtgtagtg gcctttgggg ttcttgctgg gaaatgattt 480
 cgggcaatcg atangcttcc attggtttcc tgggtggtcc ttgaacttgg taggcatccg 540
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 ngncctttggt ttgagnaaag gtcaanggag cacanttcna nggnccttat taggggnaca 660
 gctggaatta aaaggaggagg aangaaagan gnagaagaac ctttttgngg ggcaattcan 720
 gaaattggaa tgaanggana tcaaaagnat 750

<210> 12801
 <211> 744
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H7
 <400> 12801

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 aactacacgt ttacaagta taagtctggc ttattcatc actgccttgt ctctgacctt 180
 gagcatgata caaaatacta ttacaagatt gaaagcggtg aatcttctcg agagttttgg 240
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 tgtgagatgg gatanctggg gtcgtnttgt ggagcgtant acccgcttat caaccgtggc 480
 cttggctctgc agggaatcat ggaagnaaga ttaacatgcc atacatgggg ggaggtgaca 540
 cctttcaggg aattacctca gcggtacacg aacgncctac cntannctca anaagtttng 600
 antccctent ttgggtacgc tggntagggc gttnaaccgg cncanatcna ntnntcctct 660
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744

<210> 12802
<211> 757
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G7

<400> 12802

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ntggngaaan acggcaanct gaaaaaccga tttacgaacc ntgaagaaaa ggtccgggna 660
caanaagtgg actcngaaat naagaagaat ccttgggtta ntaaaancngg ttttccgcna 720
aagcttcccg ggcncncn aaatgnetta aggaatt 757

<210> 12803
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F3

<400> 12803

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gaagaagaaa acgaactcaa agatctctcc actcaaacc taaattctcc ttccaccgag 180
gctccaactc tgcattctgg atctgagaca aattccgact cagataagcc aatcgtctta 240
accagtcaga agaagaaaga aggtactgat tcatcaggga cgaagcgagc tagtgaagga 300
actagctcaa aggacatcaa aagagctaag aaagtttcag gagatgacga taacaaaaaa 360
tttcagagtt tatggactaa agaagatgag atctctctgt tacaaggat gattgatttc 420
aaagctgaga caggtacaag tgctcatgat gatatgaatg ggttttttga tattgctaag 480
agatacataa gctttgatgt tagtaagatt caattcgggtg acaagattag anggtttaaa 540
gaagaagtat ttgnggtag ggaagaagaa anggttaaac ctgggtnaag gntaaggaaa 600
tgttggggaa tnggctaaag tccaattggg ggacttgatn ggnaaggaaan ttggtgggtc 660
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<210> 12804
<211> 738
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F4
<400> 12804

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gaaattgagt gtggaagttc cagaaattgt ctgtgaagat tgttaccanc gagtccttac 420
cgaattcatg aaactctcaa aggtgcctgg attccgtcct aaaacaagag ttccagagaa 480
tattattggt ggttttcggt gggaagnaan atgttctgag aagcaactgg ttgnatccat 540
ncttaaagga gaacacttcc tcaagccaan ggaatcaagt gaactggaaa ggggcttta 600
angacncgan nacagaattg ttnagcaggt ttnccagaa nnnngngaaa ggggttatcc 660
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tnnaattgga atnctttg

738

<210> 12805
<211> 753
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F8

<400> 12805

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tgggttcgttg tgttgtaact gttgttcatt gaaagcttcg gttcgttttc aaaaaaaaaa 240
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cgcggtgatg cgacgtcata gctcttctat agtgtcacct aaattcaatt cactggccgt 360
cgttttacaa cgtcgtgact gggaaaaccc tggcggttacc caacttaatc gccttgacgc 420
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ccggcgggggt tttggtgggt tacgccaan cgtgaccgc ctaacnttgc canngccct 600
aacgcccggc tccctttcgc ctttcttccc cttcccttcc ccgncacgtt cgccgggntt 660
tccccggttc aagccnctaa aatcgggggg cnccttcta angggttccc gnnttantgc 720
ctttanggga accncgaacc ccnaaaaaaa ttg 753

<210> 12806
<211> 621
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F9

<400> 12806

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aagatgtag gaggaagtt catggagtga ttgataagtt tgctgagcgt ggacttcgct 180
ctttggctgt tgcaagacag gtcttttcgg ttactatata tcgtgaaagt ttatgtgtcc 240
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aagatgctcc tgggtggccca tggcaacttg tangtctttt acctcttttt gatcctccga 360
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ataaccggtg agaatcataa gttaagtcct tggctctctg cacttcatat tgcntgaaac 480
taattttctc ntctgactga aaccagggga ccagcttgca atatagaaga atgaatcact 540
aagtggaaant cccggncgcc ctgnangtca accaaatngg naaaantccc aaagcctttg 600
gatgccaaac cttgagttaa t 621

<210> 12807
<211> 65
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G10
<400> 12807

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ggnaa 65

<210> 12808
<211> 768
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G11
<400> 12808

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attgtcttta cggcgagtgc tgttagcgtt aaggtttcat ttagcgcctc aaatagatcc 180
tgttcaggaa ccggatcaag gagttcctcc gccgctggac ctaccaaggc aacgctatgt 240
tctcttgctt ttgtcagcaa gatagccaga tcaatgtcga tcgtggctgg ctcgaagata 300

cctgcaagaa tgtcattgcg ctgccattct ccaaattgca gttcgcgctt agctggataa 360
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gctctctcca ggggaagccg aagtttccaa aagggtcggtg atcaaagctc gccgcggttg 480
ttcatcaagc cttacgggtca ccgtaacca gcaaatcaat atcactgtgt ggcttcaggc 540
cgccatccac tgcggagccg tacaaatgta cggccaagca acgtcggttc nanatggcgc 600
ctcgatgacg ccaactacct ctgataantt gagtcgatac ttcggggaat caacggcttc 660
cccaaagga tgtttaacnt ttgttttagg gcaactgccc tgctgcgtaa caatcgttgc 720
ngcnccataa natcaaacna tcnacccaan ggggttaann cgcntgng 768

<210> 12809
<211> 705
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G2
<400> 12809

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ttcttctctc ttctctgcaa tggttctctc taccctacta cttcttctct tttcaacacc 180
catcaccatc gtcaccactt ggccaagcac aactacaaag atgctctcac taaatcaatc 240
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gacaattcta ggttcaaggt tggtnatnc tnnatanaag ncnanttctt gntggggaaa 600
ngancctnaa naacatngnn tactgggtata gaantgtgtt ttaaaagggt gatagagaac 660
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<210> 12810

<211> 708
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-G3

 <400> 12810

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ggaaagctga tattccgaga cgttaccgaa ttcgggttga gaacgaccgg tttcagaagg  180
attggagtgt atcggagggt gtggaccggc ttatggctct caatcgttgg gaagaagttg  240
atggcgttct taattcctgg gtcggccggg ttgctaggaa gaatttcccg gttcttatca  300
gggagcttag tanaagaggg tgtattgagc tttgtgtgaa tgttttcaag tggatgaaga  360
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aaaccgggat gctgagacgt tcgaatgctc cntatcaatg cccaatgggc caagctggtc  540
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ncccantnccg ttcaacctaa aattaacctg atnaatgncc tgtgggtccn agtggnaaac  660
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<210> 12811
 <211> 734
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-G4

 <400> 12811

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gttgctggaa tcggagttgg taaaggagga ttcaagggat ttggatttcc tccggcgact  180
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attacatcgg cggttcatcc ttctgttgaa gaagatggga tgattatgca gagaccggtt  300
  
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tgggatgatt gggaatttgc tgaagaagaa ccgattccta gggttgtttt tagcaaacct 360
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 ttgttgctt caattgcgaa ntgacccaaa aagttatggg gatgcctgtt atgggngaatt 660
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 aaanctgana atga 734

<210> 12812
 <211> 682
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-F11
 <400> 12812

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 cttggatcag attgtcgttt cccgccttca gtttaaactt attcgttaata tcaggatata 180
 ttgtgggtgta aacaaattga cgcttagaca acttaataac acattgcgga cgtttttaatt 240
 gtactgaatt aacgccgaat tgaattcgga tcgacacct gtaaggatat taaagtatgt 300
 attcatcatt aatataatca gtgtattcca atatgtacta cgatttccaa tgtctttatt 360
 gtcgccgtat gtaatcggcg tcacaaaata atccccggtg actttctttt aatccaggat 420
 gaaataatat gttattaaaa tttttgcgat ttgggtccgt tataggaatt gaagtgtgct 480
 tgagctcggg cgccaacact cccatttcat aattttacat gtatttgaaa aataaaaatt 540
 tatgggtatca atttaaacac gtanacttgt aaagaatgga tatctcgaaa agaacttagg 600
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<210> 12813
 <211> 727

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12813

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 naagncaa at tacattctca gaaggagctt ccttttccan tccggcaaga ccacaccatc 180
 gccgttggac ccttacgaca ctctgcancg tcgggtcgcg agatncggag atccctctgc 240
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 gtcctatagc atcatcaaga tgcttcgaaa gtccagccgt ntctctcacg ctctcnagat 360
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 ttccta atgg nnaagganga actaccatct ctacgggtgct ctccttgaac tgctangcta 540
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 ttaaaaa 727

<210> 12814
 <211> 65
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-C10
 <400> 12814

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<210> 12815
 <211> 769
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C11

<400> 12815

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tggacaactt catctattc atgcaagcaa tgaaacttct agatccttca agaaaggat 240
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gagcagtgtt ccagaaanac cttaaagtat ctgaaaagaa gatatttgat cctcangata 360
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antgactttc tctcagtact tcctctccct caaaatgtan tttggagggt cctgcaaagt 720
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<210> 12816
<211> 678
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C12

<400> 12816

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gttttgtact tanaaantca ttcattgcagg tatgagctct gtttcgcagg agagaagacc 180
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aataataaca agtcacagaa ccatctgaca aacggtgaca aancagattc agacancagt 300
ttaattgatg ttttccgctg gtcacgatgt aagaaacctc tcccacagaa gcttatgagg 360

tctatcgggt ttccactccc agcagatcat atcgacgtgt tggagganaa tcttgattgg 420
gaagatgtac agtgggtcaca aactgggtgtt tggattgctg gaaaagagta cactcttgct 480
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nnaaanaaaaa aagggcng 678

<210> 12817
<211> 464
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C2
<400> 12817

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<210> 12818
<211> 580
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C9
<400> 12818

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ttcacgatat gatggacgct gctcggaaaa gagcacagcg gcgagctatt tacttagcta 180
 aacgccgtgg agatcctatt cagtcgattc aagccgttgg ttcccgtac cgagtattcc 240
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 agcatgatgt tatgattgan agatttgatg gtcgtgctct tctggatttt gtgcgtnagg 360
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 ttgttaattt tgagcgttat cgggatttga ttaagcatcg gcgtncaaga tgtcgtanct 480
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<210> 12819
 <211> 805
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-D10
 <400> 12819

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 cccatgttgt gtgacacttc cgctgcaacg aatgatggcg tatataatta ntccctcaac 480
 agcattccgg atgctgaaaa tgatcttanc tttttccgac aatgggagat taangaaaaa 540
 aaatgatcnc ttccnatggc tgggggtgac cataaggaaa tttttgangg atgttggaac 600
 aaacatgcct tanggaattt gtgattccaa cattccggct tgggatatgc cttataaat 660
 gaanggtgac cttanggggtg gttccccttc cngccaacc caaanttagg gagaacagca 720
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805

<210> 12820
<211> 693
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-D11

<400> 12820

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atgcttggga tgaagatgat ggaaacagcg tcnttttggat tgcaccnaat attatgtcga 240
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gtacngtggc ccgtanaatg tacgggtcan gttgttacng cgganaaccg tttttcgtaa 540
cctanggatc ctggtaatcc cggaggcccg nngaaggatg atgggttang ttggtgacnt 600
tatgttcacg atgaaattga ctggngaat ccaagttcct ggtgaatgga cgctaaatcn 660
ccggancttg aaatcctccc cgcctttaag gtt 693

<210> 12821
<211> 623
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-D12

<400> 12821

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tccgttccgt tcaactattg tctcaatttc gaaccaattg gatcgcatct tttaggggct 120
caaacccttg gtgacgagga ccangannaa gattgtcgca tctgatttat atcggaaaaa 180

ggtctcttgc cggaaggac acgatccgct ttcataangg agagattttg acagattcag 240
 tagacgccat ggatgtgcct atctcntggg atgctttacg gaaacangct agatcgattg 300
 aagctcagct tgacgagcag atgcattcat ntccgtacac ttgtttccac aaacgcttta 360
 tcaaaatcaa gatggtaatg agagtgatct tgaanctggg attgacttac ttcttangca 420
 actgcaacaa gttaatgctc anatgcaagc atgggtatcc tccggtgggt caagaaatgg 480
 tcncccatat tttaactcca catcaagaga ttcttcaaga tctgacacan gagtttatcg 540
 anacggntcc aantcttana gcaagacaan gagcatgcnt cacttcttga ggacnttagg 600
 gnaatttggt tcggnctana tta 623

<210> 12822
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-E1
 <400> 12822

aaaaaaact tcttcttctt cttcaacaac aacaaaaccc aatttcgcgg ctaaataat 60
 cgcttcttct actggtcttg gaattgagag aagagaccag tttcgctgga tctttgaatg 120
 aagctggatt tggattaagt tcaggtgtaa atttgttgga agatgggggc agatcaatgt 180
 ttttcgagat tgaattcact tgagattaaa gccctaattt atcagaaaat tgggcatcag 240
 agagctgaca cttacttcga ccagctcgga aaattcctta cctcgaggat aagcaagtcc 300
 gatttcgata agctatgtag caagacgggt ggtanagaga acatttctct acacaaccgt 360
 cttgtacgtt cgattctgaa gaatgcaagt gttgcctaag tctccaacgc cgaggtatcc 420
 ggaagaaatc 430

<210> 12823
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-B7
 <400> 12823

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aatgagttca atgagcagaa gcagaagtcg aagtagaagt cgtagtcggg atcgggtttcg 120
tagtcggagt ccgagagaca ggagaatgag atctgaacga gtttcttacc atgatgctcc 180
ttctagaagg gagagggagc cacgtcgtgc cttcagccaa ggaaatctct gcaacaactg 240
caagcgacct ggtcactttg caagagactg ttctaattgt tccgtctgta acaactgtgg 300
tcttccaggg cacattgcag cagaatgcac tgcggnatca cgttggttga actgtagaga 360
accgggccac gtagcctcaa actggttcaa acgaaggaat ctgccactcc tgtggtaaata 420
ctggacatcg aaccananac tgctctaatt cggg 454

<210> 12824
<211> 331
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-G7
<400> 12824

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aagtagatgt ggaaatcaaa tctacggctg ataagttttt catgttctct agaagatcac 120
aacatgcctc caaagccact cgctatgtac agggatgtga tctgctcgaa ggcgagtggg 180
gcgaanttgg aagcatactc ttgtggaaat tanctgttga tggagagcca annntgtcan 240
aggatangat tgagngccan tnanatcaag atgaagtatg atccaggtnc anggtgttaa 300
gagggaccgc gncaagngaa gagtcnncna g 331

<210> 12825
<211> 433
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-053-Q1-E1-G9
<400> 12825

ggatcaatga atagaaactt aggtacaaat gtagacaacg tgtatcactt gcactaactg 60
gagatccatg gaatctccag ctagaaatgg acgaagcttt tattcattga tccctctaga 120
agataacgat ctctctgtgt agaagaataa aacatttgc tatatcctca atgcctgtag 180

tgttgttctc ttatgttcca ttcttaggaa gaggatctac taaatccgat ccagccttag 240
 cagcagcagc tgctttatcc tcttcataag ctgcaacatg aactccaaga gccgcacggc 300
 ctgacggatc aagattcttt gaccaagttg catcccatc tacagctttc gcggtactgc 360
 aagctatact tggacctcct ggtacagtcg ctctagcagc actcttcggg aagaacttct 420
 cgaagatggt tct 433

<210> 12826
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-053-Q1-E1-H11
 <400> 12826

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 ctcagaaata tcaacaagct gctcaaaatg caacaacaga ttctgctctt ccggagctac 120
 aaaataattg caatatgttt gttgcatctg ctagacaatt ggcaaaggcc ctggaagtac 180
 cacttgtaga tgatttggga tacacaaaga gatatgttcg gtgtttgcag atctcagagg 240
 tggtaaata tagatgaaggac ctgatagatt atagcagaga aacacgaaca ggaccaatcg 300
 agagtttagc caagtttctt cggagaacag gcccttcac tgcactgcct ggtccttctc 360
 ctcagcaagc cagcgaccag cttaggcagc agcagcaaca acaacagcag caagcagcaa 420
 cagcaacaac aa 432

<210> 12827
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-H5
 <400> 12827

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 gtagatttcc gatttcttta ggttctgctc gaaatcgtgg tttagtgttt attatcatcg 120
 attcagaaaa cgggtgggtaa acttgtagcg gaagatgagg cgggtggccgg tggatcaccg 180

tcaaagcnat cagatctgcc tantgttttc tcatgntcct caacgatagt ttatnacttg 300
 gttagggaga actttatctc cncctggcta natccgggtt cctcngggcg ttgtttccca 360
 aacctggcca nncagcaanc aagtnatgat tggantngct ggncctggntg 410

<210> 12830
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-H8
 <400> 12830

ttgtttttgc agaaagtctc tcatctgaac tcagaaaatc tccgagttcg tatatcttct 60
 ccgtttgagc aatggcggtg gtcatgcaca catacaangg aaacaaagggt gccataaagg 120
 cacttattgc tgcanagtat gcggggtgtga agatcgagga gtccgcagac tttcagatgg 180
 gcgtcactaa caagtcacct gagttcctta anatgaaccc tattggaaag gttcctgtgc 240
 ttgagactcc tgaagggtccc atatttgaga gcaatgccat tgcccgatat gtgagncgta 300
 agaatggtga caactcnttg aaatggntcc ncccttaatg natncgctca caattgagca 360
 atgggattcg agttctcctt cantgggaga attgaatgct aacatgttng aaaatggggtt 420
 tgnccccaag naatggggcn anttgcccc tt 452

<210> 12831
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-H9
 <400> 12831

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 agtttcgagc tttcacttct cgacttgcaa attctcgtcc tttttactga attcgatctg 120
 ggtttttggt tttgattagt aaaataacaa aaaaaaaaaa aaggatttat cagaaatggc 180
 tgcgagcgat gaagttaatc ttattgagag cagaacagtg gttcctctca atacatgggt 240
 tttaatatcc aacttcaaag tagcctacaa tatecttcgt cgccctgatg gaacctttaa 300

ccttcaactg gtaaaacgat atctcttgat ccaaaaacga gtattgttgt tcctcaagac 360
 agagctgggc tacatgcaat tgatgtctta gaccctgata tgattgttgg ccgtgagtcn 420
 gtgtactaat tccatgagat gattgttgag atgatcggat ggggatttga agaanggaaa 480
 acccnttttg gntttggtaa ganttcgcc aaagcaacag actgcaggaa acgtttggnc 540
 aatttgctaa aaagttggaa actgtttana aagcctcang gagaagaaag aagattaatg 600
 gttattaagt ccattccaat gggaaggact aattgggtga aatgtttcaa gggtcgcat 660
 aagggatana atcnaaaaag ttangttcag aaattggatt gcca 704

<210> 12834
 <211> 146
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-A12
 <400> 12834

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 aaattcagaa acaagattac atcatgttag ggctaaacaa ggtgnagcca ccgacagaca 120
 tggcttanca tatagggcnt gataga 146

<210> 12835
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-A7
 <400> 12835

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 cttcttaata ttaccaccat taactcaacg aagccattag aacaagaaac agtgcttttt 120
 ggcggcaact ttccggcttt ttatgttatt ggagattcat tggttgattc aggaaacaat 180
 aatcatctta caacgatggt caaatcgaat tttccacctt atggttcgga ctttgaaggt 240
 ggcaaancca ccggccgttt cagcaatggc aaaacaattg ctgattacat tgctatctac 300
 taaggctcttc ctttgggtcc tgcttaattg ggattatctc aagaaganaa gaataatatc 360

tcaaccgggt antaactacg cttctgctgg ctgtgggatt cctcctcaag acaaggaagg 420
naaatagga acatgtcn cn cgtaagtgg tccaagt 457

<210> 12836
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-A8

<400> 12836

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gtccaaatcc ggacaaaccc agaagaaatc tgagatgaaa gtttcttaca taactggnct 120
taactcatat ggtggtctca aggcacagaa caacanggtt gtctcaatgg gatcaccact 180
ctgcacagaa cagtgttttg ctaacgttgt gatgtctctc aaaggaagaa gaggtaatgg 240
aggagcctta tccaccacgt gtaacgctgt cggngagatt ttcattgatt cagcaatcan 300
gnacgctctn actcctgntg gtgttgagcgt tggnttcgct ntcttccgaa tcgaaacttc 360
tggttgaaga anctgannca gagtanatag agta 394

<210> 12837
<211> 83
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B1

<400> 12837

tttgtangaa cattgtgttg gcaggagtag gtagtgtgac tctgttgat gatcgattgg 60
ttacaangga antcttcanc gca 83

<210> 12838
<211> 310
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B11

<400> 12838

cancttcgtc atcatcctct gcctcttaca accaaattct ctgtcttctc aacgattcag 60
acgaacaatg ccancacatc antganctaa ctctcttcat aaacgctctt cancaagana 120
tatcatcgga tgaccaatac gccgtcgttt cagaaacctc caacgctgaa gactcgtttt 180
cttcatgtgt ttctctcaaag gaanaagaag tggaanatga cagctnggag aaagtgatgc 240
agcatcnttt ggaagcttcc gatgacgaac ttgggattcc taacacagat tttggcgang 300
agtnatntga 310

<210> 12839
<211> 294
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B3

<400> 12839
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tctccttttt ttgattttca ccgccggaga tttttgtatt tttccgatta ttcgccggcg 120
gtttagagat aatgaanggg aggatatcan aaataggaag ctatgcaatc tcgtcttcca 180
ttagagatca gcacagcaa ncttgtattt cttgtactac tttcaatatc cttgctccga 240
tctagaaaang tctctctcac aangatnaaa gtcttctntga aagtgataac ngag 294

<210> 12840
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-G5

<400> 12840
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aacaactcat aaagacactt caaaaagggt ttccgacaaa nttcttatct tctcagatgt 120
cttccaaatt cggggttagcg ggtggaatac cggagcgacg tgttcgacc atctgggatg 180
caatcgatc tcgtcagttc aagaatgctc naaagcttgt cacntcgctt ctcgctaagt 240
accctaaatc tctttatgct ttaccgctna aagctctgat tcatgagaga atgggggaaa 300

acagatgang cactctctgt ttggtttggg atgctaaaag agctttttgt nccanagatg 360
 anttaacgnn gnnnggattg atcntanncc gtangtacat tgncaaattt gtattgcaat 420
 agaacgtgga ttnccg 436

<210> 12841
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-D12
 <400> 12841

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 catcaaatcg tcaatcacat cagctaatta ccaatgcgag acctttgcga aganaacanc 180
 gttccttcat ctccgcatca gcatccantg tctccgctcc taaacgcgaa acagatnnga 240
 agaaacgagt tgtcattact ggtatgggtc tcgtctctgt gtttggtaac gatgttgatg 300
 cttacnacga gaaattgttg tctggtgaga gtggaancag gtttgattga ttngttncga 360
 tgcttccaag ttncgggang cgattcngtg gtnangattc gtgggttgag ctctgaaggn 420
 taaactg 427

<210> 12842
 <211> 315
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-D2
 <400> 12842

cggcaagaac tcgantgaaa aaattgtatc caagcttcgt gaaaggagtc tctctgtatt 60
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 gagagcagng atgtgtagtt tgtcggcgat tatgttgta ccaacgaagc tganaccagc 180
 ttattcagac aaacngagta acagtagcag cagcagctca ctentcgtca acaatngang 240
 atccangan aagnaccaat cganggttcc cgttgcaag gttgtttggg accggcgatt 300

ttcgaaanca tccaa

315

<210> 12843
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-D5

<400> 12843

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ccaatacgac acagatgtta cgacatggag tccaacaggt cgtttattcc aagtggaata 120
cgccatggaa gcagtgaanc aaggatctgc agcaattgga ctcagatctc gttctcatgt 180
cgttctcgct tgtgttaaca aagctcaatc ggagctttct tcgcatcaga ggaagatctt 240
taaagtcgat gancatancg gtgttgcaan cgctggcttc anagccgacn gtcngtgtag 300
tgtctcggta natganatcg gantcgatta gngantcttt ttactnnnca ngtcgcctcn 360
tcnggttngg gtcggccctt nggcnnaa 388

<210> 12844
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-D8

<400> 12844

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aagagcaatc gagttagatc gagtgaagaa gacaatgttg aacatagatt gggacgatgc 120
tttgggcgat gaggaagttc ccgagctcga gatcatcgct actgacaaaa ttccgccgcg 180
tgaacctact ctttccggct atgaaccgcg cgtctctgtg cgatccctca gggataacga 240
actcgacgat natctgaagc gtcagagatc acttcttact cgtctcgggtg ataagtttgg 300
cagacaaagg gcgaagaaaa tccgnaacag atccggagan cctcgagtta cgagaagcan 360
ccnaaggatg ttcccaaaca accgggncca aattggatgc agacaaacgg ntgtcagatt 420
ccccgaaaaa accaaaa 437

<210> 12845
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-053-Q1-E1-E11
 <400> 12845

aaaagtacag ttccccgatt gttcagattc tctaagattc attcatcaat ctgacttttc 60
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 agagccatcg tggcgccttc tggcagcgag cggcggagat acggttaagc ttttcgacgt 180
 ttctgccgat tccggcgatc cctgcgtttt gagctatact ccgtcacctg gttgtgctgt 240
 caactccgtc aagtggaatc atacgaattt agtgggtggcc agtacgggag aagataagaa 300
 gatatccctg tggcggaaaa atgggcagag tttaggaaca gttccagtta ctgggaagga 360
 cgggtggtgat agtgcgtgagg aatgtttatc ggctattagc ttcagcaaaa aaggctccag 420
 gtacatttgt tc 432

<210> 12846
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-E2
 <400> 12846

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 ggtttcttat accattatgc caaacatggc atacttcgag tttctccctc atcatgaagt 180
 cccaaccgaa aaatccgaac ttgtggagct agctgatgtc gaggtcggga aagagtacga 240
 gcttgtgatc acaacctatg ctgggcttaa ccgttataga gttggtgata ttcttcaggt 300
 gactgggatt ctacaattcc cgctccacag ttcaaagttt gtgcggaagg aagaacgttt 360
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<210> 12847

<211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-E4

 <400> 12847

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 gtatgttggt caaggtgatt ctggtgttgt ttacgtcaag tttgattacg agaaagatgg 180
 aaaaatcgta tcacacgaac atgggaagca gacactactt ggaacagagg agtttgtggt 240
 tgattcagaa gatacataac atcagtgaac atttactacg agaaagctcc tttggatnaa 300
 ccgatagaga ttgtaangnt ccaatcctta angacattca anggggaaaa cttctcaacc 360
 ctttgggact aantctctggg agaaagaaac tgaanctagg aagggtgggca aaatccgttt 420
 g 421

<210> 12848
 <211> 245
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-E6

 <400> 12848

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 caatggcatg acaaagattt ttcgcaacac anttatacca gaagagccca tgtttagacc 180
 ggagttccca tcncaanaac cggagcattg atgttgctcan tgaatggcna aagatgaaan 240
 gtccg 245

<210> 12849
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-F12

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 ttaggcatct tagcttctcg aacaattcga ccagcttcac gtcttcttca atctcaaacc 120
 tccaatttct tcttccgcac aatcgtctca aaaccagagc tccaatctcc tgaatccgct 180
 gctgtctctg agcctgagcc gccgacacag attctccctc ctagaaaccc tgtaggtgga 240
 gcacgcgtcc acttctcgaa tcttgaagat gcgatcgagg tctttgtcga tggttacgcg 300
 gtcaaagtcc ctaaaggatt cactgttctt caggcttgtg aggtcgctgg agttgatatc 360
 ccgaggtttt gttatcattc tcgtttatct attggctgga aattgcanga tgtgtcctgt 420
 tgaggttgag aaaatctcct a 441

<210> 12852
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-G11
 <400> 12852

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 cgtggtgacc ttattcctgt tgatatcacc agacctaac ctaacggctt cgaatttgat 180
 aatttgtatc tcgatatgaa tgggtatcatt catccttgtt tccatcctga aggaaagcct 240
 gcacctgcca cgtagcatga tgtatttaaa tcaatgtttg agtacattga ccatcttttt 300
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 aagctgatga g 431

<210> 12853
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-G12
 <400> 12853

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 tctctgcaat ctctcttctt cccacgagtt tctcagcttt tctcggatca tctaattaag 180
 agaggagatc ttgtctcacg gtgggattga tttttctctt cacgaagatc gtgttccagg 240
 caattaactg cagaaaatgg tgatgtgggt ctttggtat ggctctcttg tgtggaaccc 300
 aggatttcac tacgatgaga aagtgttagg tttcatcnan ggatataaac gtgtctttga 360
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 agaaagctgg 430

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 ttgaactaat ctctctcttg aaatcgcttg attgattggt ataaatcgat taatcgattc 180
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 <213> Arabidopsis thaliana
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 <400> 12855

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 tgagccatgt atggctggag aactgcgca atcaaagggt catccagaga aacgatcttg 240
 ctcaggaaga gatccagtag ttctcaatga taataactca aagacagttc tcgggaagct 300
 gtccgtttcc caaaatgtag atcctttatt gaaggaaaca aagtctctan gaagattatc 360
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<210> 12856
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-053-Q1-E1-C9
 <400> 12856

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 aggatacttg aaagagcaaa agggaaggct ttacatcatc agaagatgtg tggatcatgct 180
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 gcatattata gacaatatct acgttgtact acaacggttt gattgaagaa agggatcgga 300
 tcttcgtggg tgtggcgatt tgtgatgtga gcggagttcg caagatagag atataagggc 360
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 tttgagttag tat 433

<210> 12857
 <211> 324
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-052-Q1-E1-A5
 <400> 12857

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gacaactcgg gtgctaggat gccacctctt tgtaaccatt gaagaactct tgagctcaaa 120
aatcttctac ttaagcagga tcatggcggc cttcttcctt gggccataat gtgttggttt 180
ggataaagaa gtgctacttt ttgatttttc ttcatttggt tttctatata gacctttttt 240
ctcaagatta ggctttttatt tgcctaacca gaatgggttat ctccgtaaga ttagtcgttt 300
tttaaaaaaa aaaaaaaagg gcgg 324

<210> 12858
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12858

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tccgcaattg gcttcgttac agaaagagat gatcagggtat caacggaaag acgggggttca 180
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ttgtctgttt tggctcttacc ctggtgaatt caagagtaaa gatgctgctg gtcaagtccg 300
tggctcgcca aatgaatttg caggcattgg atcaacttct gcccttcttt ggcttgcccta 360
gaaggtttgc tatattatct ggacctacta tncctataat tgggtgaaggat gatnaagnag 420
gctaatagata ggtatgta 438

<210> 12859
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-A9

<400> 12859

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ggcatcaaaa aaagcaagaa aaccaaaccg agccgaaaag aaantcacia gaagctgttt 120
caagaaacaa gttcctcaac acaacaacat caacacaagt ataactctcg atcaaacatc 180

tacatctact antgtctcta catgttcttc ttcatacaacg antttgtctt ctctcttaag 240
acacaatcta ctctgttccc tctccatccc cagcagcggg gctgacgtca ccaggcgggt 300
gttgtagccc gaaagccaan gaagtctagg ataccggaga tggctgacgg tgtccaccgg 360
ngcccaanga anccgaaggg nttccgaaag aaccgtgntg ttgnnaccng agaacngatn 420
gttntctntn ccccgcccgg agatagagcn cttcttntctg caccncatt g 471

<210> 12860
<211> 533
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B1
<400> 12860

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gtccgagatc atgagtgatc cttttgtggg ttctcttaca tttgtgaggg tttactcagg 120
gaaaatctca gctggttctt acgtgttgaa tgctaacaaa ggaaagaagg agagaatcgg 180
aagactcttg gaaatgcacg caaacagcag agaagatggt aaagtggctt tgacagggtga 240
cattatcgct cttgcgggtc tcaaagatac aatcactggt gaaaccttga gtgatccaga 300
aaaccccggt gttcttgaac gaatggactt ccctgatccc gtcatacagg tagcgattga 360
gccaaaaaca aaaagcagac atcgacaaaa tggcnacagg ggttgatnaa gcctcgcttc 420
aagaaaaacc ctcttttcaa ttttccccgt gattaaagaa gatgaaacca aaaccgtcaa 480
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<210> 12861
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B10
<400> 12861

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cagaagtggc atacaaggca gtcaagcata gtgcagcatt ggtggctgct tgtatctcca 120

naatcgagca ttctacttgg aatgaaagta atcatgggaa agttccatcg atatggtatt 180
cgaatcctcc ttttagggtc catcatgaag ccaaacaac cattgagcta gaatggaata 240
atgaatgcga gggaactggc tctaacctca tatcactcgg tgtaagatat canccagatg 300
gaagctatct cattgangaa ggcaatgatt ctccaagttt aaaactcaga gtaacacgaa 360
caggaaagtg cgattttaga gttgaagccg gcggattgag catgaatgtt agtcnaactg 420
cgtacttga 429

<210> 12862
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B3

<400> 12862
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gtccgctcgt tttggtgaga aaacgatgac cgatggattt cgctataatg gtttctctgg 120
aatagcgtac ccgttttggc tctcatctcc accaccgcct acacctccac atcatccagc 180
ttctgcgccg ccgtttcaac aaagcaatcc ggttgaatcc tatgatccag ccaaagaagt 240
gtttgatccg atgatgttgt atcatgactc ttatcaacga tcgccggcta attggtcaaa 300
taacccatcg tatcgtgaaa attctcgctc tcagactcct tcttcatcgt tttatgctga 360
caacactcaa catggaaata gtggtcctcg angtgaagat tcctcctaaa aaagatatgt 420
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aattccagag agcacnttga 500

<210> 12863
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B5

<400> 12863
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cttcttttcta gagaaagaga tcttcacaaa tatgactgtg atgaatcacc gacacaagca 120
atgtcatttt ctctctctcc ttctgatcac tgtcttctct gccgcgttgg atgggtgtttc 180
ttccgagaca gacgtcggag ggtttgacta cgggtgaagca ttgtctaaaa gcttactcta 240
ctttgaagct cagagatcag gaagacttcc gtacaaccag cgcgtgactt ggcgatgatca 300
ctctgggtctc accgatggtc ttgaacaagg ggttgattag tgggagggat atcacgacgc 360
cggagacaag gttaaatttg gacttccgan ggctttaacg ggtnacatgt tgnntngaa 420
ttgtataaag 430

<210> 12864
<211> 463
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 12864

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ccaagaagat attttctcag cttgggtttct cttatatact tctgggtttc gcnaaactgc 180
aagcaaaatt gtctcttttt acgattttgcg gcggcgtagg ggtttcgttt agattttgtg 240
attcgtgagt gtgttcaagc tttgggagga agcaaaaatg gtgaggaaac atgggttgga 300
acttctgct cacaanattc aagtgggtgc cnantaacng gtgttctctg cttactgga 360
agttgtaagc aataatantg cgntttgnta cggccccct ttttggtnng ggaaggganc 420
ncantccggg ggaagntntg natgnatnct ccgggtgntt ana 463

<210> 12865
<211> 53
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B9
<400> 12865

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<210> 12866
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-052-Q1-E1-C2

 <400> 12866

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 ttcttgatgattttgttg gccatggctg gtcactcaag tgggacatgg tgtgtatgca 180
 aagaagggtt aagcgaggca atgtgcaga agacattgga ctacgcatgt ggtgcaggag 240
 ctgattgtgg acccattcac cagaccgggc cttgctttaa ccctaacc gtcaagtctc 300
 actgctcta cgccgtcaac agcttcttctc agaagaaagg tcagtctctg ggcaactgtg 360
 actttgctgg cacagccacc ttctcagcct ctgateccag ctacactact tgcctttcc 420
 ctgcaagtgc cagtggaaagt gggacaacga ctccagtgc gacaacacct tcgacaagag 480
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<210> 12867
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-052-Q1-E1-C3

 <400> 12867

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 gacaaacgga gtaacagtag cagcagcagc tctcttct tcaacaatag aagatccaag 180
 aagaagaacc aatcgattgt tcccgttgca aggttggttg gaccggcgat tttcnaatca 240
 tccanattga aagtactctt cttaggggtt gatgagaaga agcatccttc aacgctccct 300
 aggacttaca cactcactca cagtgcatt acagctaaac taaccttagc tatttcccaa 360
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gtggcanaat ggaagaaagt nnaanggae

449

<210> 12868
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-052-Q1-E1-C5

<400> 12868

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attaataaaa aaaaataaaa agaagcagaa aagagataat gcagggtggt aggcttttga 120
cgggtgttgg gtgcctcgcc tccacgggtg cgttggtgag cgccggtgac ccttacttct 180
actacacgtg gaacgtaacc tacggaaccg ccgcgcctct cggaattcct caacaggtga 240
ttctcatcaa cggacagttc cctgggtccta acctaaactc aacctccaac aacaatgtcg 300
tcatcaatgt cttcaacaac ctgcagcagc ctttctctt gacctggagt ggactccagc 360
acaggaagaa ctcatgggca agatgggtgt gactgggact catgccaaat ccaagcaagg 420
cacaacttca cttacaattc c 441

<210> 12869
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-052-Q1-E1-D12

<400> 12869

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taatgttatt tctcggttcc acttctctgt taccgcgcga gattaacaag gataagctaa 180
agcttgggaa ttctgcttcg aaccggttcc taaaagcaaa gtcttttagc agagtgacta 240
tgacgggtgc agtgaagcct tctcgtttcg aggggtataac tatgggtcca ccagacccta 300
ttcttgaggt cagtgaagca ttcaaagctg aactaacgg gatgaaactc aatcttggtg 360
ttggtgctta tcgtactgag gaactccagc cttatgtgct taatgttggt aaaaaggcgg 420
agaatttgat gttggagaga ggagataaca a 451

gtggaaacgg ggctagtcca ataagc

446

<210> 12873
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-A4

<400> 12873

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tcctccgtcg ccgtcttcga ggactcaatg gactcagctc agccctggaa aatcgatttc 180
tttgagaaga agagtcttct tgttgccctgc taaagccaca acagagcaat caggtccagt 240
aggaggagac aacgtcgata gcaatgtttt gccctattgt agcatcaaca aggctgagaa 300
gaaaacaatt ggtgaaatgg aacaagagtt tctccaagcg ttgcaatctt tcnattaaga 360
tggcaaagcg atnatgtcta atgaagagtt tgataacctt aaagaagagt taatgtggga 420
aggaagcaat gttgtgatgc 440

<210> 12874
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F8

<400> 12874

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tttgttttcc gtaaaagaaa ggggtaatca aataaaatgg agacggctag gcttttcaaa 180
ttagtggtg tgatatgtat tgccagtttg attccgacca tacgagccaa tgttgctgat 240
gagaccgatg agtattgggt aaacaaggcc aatgaagctc gtaaacatac ccttatggct 300
tatcatcccg acccttatga gatngtcgac cacttccacg agcgtnatta cgacaactcg 360
actgactcga agggaccgaa gaagaaaang cgtcgccttc gaagaagaag actcattgag 420

425

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<210>      12875
<211>      450
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-051-Q1-E1-G1

<400>      12875
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tcccgtacgt	ccgcatagtg	tagtagtacc	ttcactacca	aaacagggacg	tcgttttctta	180
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agtttccact	tcccgaaccac	cggtttttacc	caaaccggaa	acctggggaga	gtttgctgct	300
aaaccatgat	caaattccag	gcgaattctc	accactgggt	cgaagtacc	ggtaagctgg	360
gcggggagaat	ggatggagtt	acangggctc	caaaatggga	cggctctttna	aacctcatggn	420
acaacatccc	cgggcnaaga	tccccgntcg				450

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<210>      12876
<211>      457
<212>      DNA
<213>      Arabidopsis thaliana

<223>      Clone ID: LIB25-051-Q1-E1-G10

<400>      12876
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cacagatcct	tcctttttctc	cttcatcttc	cccttcttcc	ttttccctca	tcgcccagga	180
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aagtgggtga	attggatcgt	gtagctgctt	ttataatgac	ctctagcacg	acaggagatc	360
gaagatgggg	tactacaaga	agaagtggca	tgactatatt	gggaaagggt	gctgttccaa	420

aaccgattaa cttaccaagc caaaggtaga agaacca

457

<210> 12877

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-051-Q1-E1-G12

<400> 12877

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gcaattgctg gcctaagtgg tgtttgtttt gttgtggtct aagaaagaat cgtaagtcaa 180
agacaacgga taagaaaaag aagaacaggg aancctcaaa gcagatacac gcgctagaaa 240
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tgaaagtggc cgaagaagtt tggacnntct cctgtttttg ttgcgtctgc nggtatggag 360
aatggtgggc ttgccaagga atgcgaatcc ancttctctg cntaaagaaa gncatccnan 420
tccagtangt gttggnacaa 440

<210> 12878

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-051-Q1-E1-G2

<400> 12878

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ctggaaaaca tcagaaggtc agctcttgag cagaaaaaga cagaagtagt taaagaattt 180
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tcttcccacg ggaagtgata ntccaactaa gaacacaaca gtagttaaaa atcaaatttc 360
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449

<210> 12879
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-G3

<400> 12879

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gtgcaaacgt agatgttcca tccgagaacc tggagatgat cgatgtcatt caaagttag 180
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agggtcacta tggtcaagaa acttctgagc tccgtgtaga aggtgaagaa aactcgcacg 360
gtgcgagaga attcacatat agccgcctta atgaactttg ctcaggtaga gaaagtcac 420
aaaagcaaga gataatgaan tccttggcgc aaccg 455

<210> 12880
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-G8

<400> 12880

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agaacaaata tcaattatgt atcagctgtg ggagatcccg ggatgagaaa cgataactta 180
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atccacaaag tcgacgaaag agacacaggc ttgggggtag gaaatggacc tacggaggat 360
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442

<210> 12881
<211> 88
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H10

<400> 12881

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ccttttttcc ctncctaaac cctttcaa 88

<210> 12882
<211> 110
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H12

<400> 12882

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<210> 12883
<211> 363
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H2

<400> 12883

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tgaaatttca gataacgcag aatTTTTTTT ttctcgccgg agttttctcc tcccaccgtc 120
tctgattctc gtcgccgccg tacacagttg ttgttctctg ccgtttctgc aagatgattg 180
gatcgtttct tacaagagga ttggtgatgg tggtgggcta tgcttaccct gcgtatgaat 240
gttacaagac tggtganaag aanaggcct gaaatcgagc aacttcgctt ttggtgtcag 300
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<210> 12884
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12884

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 gtgactcctc tgttggaataa ncgtgtcttc ttctccgatt cgctgatgat gcttacattg 180
 acagctacat aagcaccatt ggtgttgact tcagaattag gacgattgag cacgatggga 240
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 gcagctatta nanaggagct catggaaaca ttangtggtt aagactgnac tgaagatgga 360
 aagnttcaac aanngtgaag cagtnggggt agtggnatca tananatgcc atgagagtgt 420
 ttggcaagct ttanccggta gcagngg 447

<210> 12885
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12885

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 atcctctgat ctctctacac acgaaccttt gatcttgacc aacgtcgatg catgttcattg 180
 actagtctct tcctcaatcc ttcaanttca tcaattcacg tcgatttcgt atccgattcg 240
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 tgtgatgttt gaagtcaaaa tgggggtcaaa gatgtgcatg aacgcttcat gtggtangac 360
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<210> 12888
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12888

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 gatgaagagc agattgaaga gctacaggag gaagaagcta gggttagcca cagttatcgt 180
 cttctgttct ctctgtttcc tcttcgggtt ctatggctcc actctacttt ctcagaatgt 240
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 tagctcnatg cctcaggggt gttacnggan aagaatcgat tggatngatn ncttttcngg 360
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<210> 12889
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-F7

<400> 12889

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 actttctatc acatgaaaac taaaaaacac aaacatcaca tgtatacaca catatagtta 180
 caaacacaca tacacaaaac acagatatat aaaaatgtct tgttataata aagcactatt 240
 gatcggcaac aaagtcgtcg ttataacttg attcctctta tgtttggttc actcgtcaga 300
 gtcacttcga ccaactgtttg catgtgatcc agcaaacggg ttaacccgga cgctccggtt 360
 ctgtcggggc aatgtaccga tncatgtgag agttcangat ttgctcggaa ngctcacgtt 420
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<210> 12890
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-D3

 <400> 12890

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 cttgacagat ccacgatccg attctgggtca aattttacat ttctgcagac tccatngaag 180
 gtgacatttg tttaagatac tcttggttct ggaacacata cnaagatgaa gaaagtcttc 240
 ggncaaactg ttagaagacc ttaagagaaa ggtcaacang aaagtgtca aagttcctgg 300
 aagtagaaca gaangttcta agatgctacn agtaatgagc catnggggtcc anatggatna 360
 ctctgctga tctgcgccag cttcagaaan tannangg 398

 <210> 12891
 <211> 56
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-D5

 <400> 12891

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 <210> 12892
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-D7

 <400> 12892

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ggaantttcc cggttttacc tgcctttgaa nga

153

<210> 12895
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-051-Q1-E1-E10

<400> 12895

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gaagatcaaa gaaattgaag atgagatggc taaaacacag aagaataaag ctacttctca 180
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tgggacattt tccgaagttg cttcctatga gttcagcact ttgacatgca ttctgtgtgt 420
tatcacataa ccgtgggagc taaaatccag ttattaaatt 460

<210> 12896
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E11

<400> 12896

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acaagagttg cttgtgaaga atctgaataa gaaagcaggg aaaacaaatc tacctcatgt 180
tcctgcggct ataggtagtg tagcttcttc gtcaaaagtt gtttatccag atacatctca 240
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gcagcttctg cttcgaacac cttcccaagt actgtgactg caactgcaac tcatggatna 360
gccancacat tttgacgaaa ataccnaaga ctactccacc tgcattggna acattttaag 420
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<210> 12897
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-E2

<400> 12897

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 tgatccttac ttcttcata catggaacgt gacttacgga actgcctcac ctctcggtgt 180
 tcctcaaaag gtgatttctca tcaacggtca attccctggt cctaacctta actcaacctc 240
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 gagtgggatt cagcatagga agaactgctg gcaagatggt gtggctggaa cttcatgccc 360
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 acttctanta ccaannactc tctcancgg 449

<210> 12898
 <211> 74
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-E3

<400> 12898

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 gtganaccgg taca 74

<210> 12899
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12899

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 accgggatct cagttttctc atatgcaagt tcctcaacct tatggtcagc ttccaccgct 180
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 agcccttggt ccaaaagaac agtttcttgc tcagcatccg ggtccggcta caatcanggt 360
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 aaacgtggga 430

<210> 12900
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12900

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 ggaagaagat gcatcaaatt ccaaagaagt agaatcagtt gttaatgatn aatctcaaca 180
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 gtcttaacaa gaaccaagaa gtctncaagt tctccaaaaa gttgttggtg ctaacaaaat 360
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 aanccggttg aaaccgtt 438

<210> 12901
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-E8
 <400> 12901

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ttgaggtgaa gagaaaggag aggtcacaag ctttgtatga gcgtaagaag caactcacca 180
agctcagggc aaaggccgag aaggttgcag aggagaaact tggatcccag ctcgatgttc 240
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gtttttatct attcagatct tgttttcctc ccttgatca ctggtgaaag tttaatcacc 360
tcattcagtt taatttanca nttgatactc caaccctaag gaatnattcn aatacctcn 420
aacctnccaa ttaaggtta 439

<210> 12902
<211> 79
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E9
<400> 12902

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agaacgaaat atacggnaa 79

<210> 12903
<211> 73
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F1
<400> 12903

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ncccaacagc ant 73

<210> 12904
<211> 448
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F10

<400> 12904
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 tactgccttg aggtttactg agagggctaa ggctagaatt gagaaagctg gtgganagtg 360
 cttaancttt gaccagcttg ctctcagagc tccaatggga caagancaca gttcttccca 420
 gangaccaa gaactcgcgt taancatt 448

<210> 12905
 <211> 354
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-F12

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 gattttttgt acgtgtaaag aagtcacaca agaaaatctt ggggttgtgt aatcttcatc 180
 acactagtat gtcaacggga caagcgccgg agaagtcaa tttttctcag agatgtagtc 240
 ctgcnacagcc ggtacttgaa ggagaaggga agttttggaa anattatang ggggtnggtn 300
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<210> 12906
 <211> 52
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-F2

<400> 12906
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ccggtgccaa aancaatgga cttggctggg ngncggtaca

460

<210> 12909

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-050-Q1-E1-C1

<400> 12909

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ctcaccacaa ggatcctaaa gagtttgtat cggttgacaa acttgcagag ctgggagtag 180

ttagctggag acttgatgct gataactatg aaaccgatga ggatttgaaa aagatccgtg 240

aatctcgtgg ttactcttac atggactttt gtgaggtatg cccggaaaag cttccaaact 300

atnaantgaa agtgaagagc tttttcgaag aacatttaca cactgatgat ggagattcgt 360

tactgcgttg caaggaactg ggntanttng angtgagaag atncctaann anccttgggt 420

tatgggnatg ggtnacaaan ggangtttgg naactcntac ctgctgggat nna 473

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-050-Q1-E1-C10

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atatgagtcc aagaatctca ttttcacgtg acttttgtca atcagacgca ataccaatcg 180

agaaacgtcc cttaagatca tcaaactcga aaccatcaag cctcaattca agcatagatt 240

tcgatttctg cattccccgc ggcgtaaatt ccggcgaaag cttcgatcaa ggttcttggt 300

ccgccgatga actcttctct aacggcaaaa tcttaccaac ggaaatcaag aaaaaaccag 360

aaccgggtaa aaaagaacca gaacaaaaac cggttaaatc taaaccggat tcaagaaaac 420

agaggaaaca accaaacgan gaacaacaag aaga

454

<210> 12911
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-C11

<400> 12911

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<210> 12912
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-C12

<400> 12912

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gaccttcctt ccgacgacga tctcttctct tctttcatcg atgtcgatag cctcacctct 360
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<210> 12913
 <211> 524
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-C3

 <400> 12913

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gatgcttcnn cacngagat caggnaaag ctctngagag atccggagac cgaatcgcat 480
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 <211> 480
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 12914

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gaattttgaa ggtgtccngn aagggantat attccacngg gccctgcatt gaaagacaca 420
  
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<210> 12915
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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aagcgagggtg ggacaatagc aatgtcgagg ggtgggagga gaaaaggtag tcttataatc 240
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cnntaagcc 369

<210> 12916
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-C9

<400> 12916

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<210> 12917
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<210> 12918
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D10

<400> 12918
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 tctcagtaga cagagttttc ctaaaggatt cgtgtttgga accgccacgt cagcttatca 180
 agtcgaaggc gagactcatc aagacggctg tggcccaagc atttgggatg ccttcgtcaa 240
 gattcctggg aagatcgcca agaatgccac ggctgagata acagtggacc agtatcaccg 300
 ttacaaggaa gatgtggatt tgatgaagaa actgaacttc gatgcttaca gattttccat 360
 ttcatgggtcc aggatattcc ctgaggggaag tggtaaagtc aactggaaag ganttgctan 420
 tacngtagat tgantgatac atgggtt 446

<210> 12919
 <211> 152
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D2

<400> 12919
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 taacgaccca aatgcgagct tcngtttcaa gttcacaact cactttgtgc ngtggtaaata 120
 cttctggata tggtttgatc tatgataactn tc 152

<210> 12920
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D3

<400> 12920
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 caaaagaact aaaagaaaaa ccctagaagc cgaagaatct cctactcggt gtcgatcgga 120
 tcacctaaact aattactcgt tgataatcat tatatcgaga aatatgatta attttgaggc 180
 cacggagctg agattanggc taccgggtgg gaatcacggg aggagaaatg ggctggaana 240
 aataatggta aaagaggatt ttctgagact gttgattcca aactgaacct ttcacgnac 300
 gggtaaggga ttcagttttc caagttcaan ttagangnan tnngagggnc aaggntcnta 360
 aaanccccc ngcccagggc acaaanttgt gggaatggcc aaccgggtnc gntttttttc 420
 cnnaaggaaa cgtnnnngtc cngggcgaaa aaaccggcgc 460

<210> 12921
 <211> 55
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D4

<400> 12921

attcaagctc gggagaanca agacgaccag cgacnaaggt taaagtttag gcggt 55

<210> 12922
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D7
 <400> 12922

ttggggaaag gcattgatac cgaatgggtc aaaaccgtta atctggcttt cacaaagttg 60
 agtacaagcc cagaagagaa tacagaggtg gaagcattca attcatcatt ggcttctctt 120
 atcacatcag tgaacaagaa cgatatagag tcatcgaagc tcgctttcgt ttcacagct 180
 ggtgcatttg agaaaatgga ctactttgac aggtcttttg ggaacagctt aagggactgt 240
 gataggctgg ctacaaattc tttactcttt ttttgtattt tccaacagat ttgtcaaaag 300
 anggtctttt ttttctccaa ataatccttt gaataatcat cattcacttt cttaacttct 360
 ttggttatta attaccttta aaaaaaana aaaagggcgg 400

<210> 12923
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-B7
 <400> 12923

tctctctctc tctagattcg aaaaaatggc gaaactgggtg atgttggttg ttctctgtat 60
 cttaccggcg atagccatgg cggcaaggag gggaaatatt ggaaagaata caatgggtgg 120
 tcaaggtagc acctactgtg acatttgcaa attcggcttc gagactcctg aatcctccta 180
 cttcatcccc ggtgcaacgg tgaagctatc atgcaaagac aggaagacaa tggaagaggt 240
 ttacacagac aaagctgtat cagacaaaga angaaagtat aagttcattg tccacgacga 300
 tcacagacac canatgtgcg atgttttgct tgtgaaaagc tcggataaan acctgctcta 360
 aaatctccgt tggaccttga aagtctcgtn gtgatctnga nccattacaa gnggaattgc 420
 ctcgcaacnt tagacatgct acncacatgg gatttncgna aaaaagttgg 470

[illegible]

<400> 12924

<210> 12925

<400> 12925

6281

aagaacgatn ggggttcccc gaataatccg gttataaggg ttctaattggn c 531

<210> 12926
<211> 115
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H3

<400> 12926

atcancacng caggtgtgag cgnetcaact gtgcactgtt gagggagaat tattactggt 60
cggaacacgc atatcatatt cgcagttttg attgggggan gaanacgttg tgatt 115

<210> 12927
<211> 540
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H4

<400> 12927

nnngnnggnn nnnnnnngaa ntggtttgtg gtgtncntgg gcntggantc cggaatcgac 60
ccacngncc gcatcatctc tanattcgtc tttcatcgca gacaacaaat cttcaatctt 120
cgtcaattcc aaaccaccac aatccttcgc aacccaatct ccatcgctcc gatccagatt 180
ccgatggacg ccaccgagca gtctctccgt caatctcttt ccgagaaatc ctcatccgtc 240
gaagctcagg gtaacgccgt ccgagctctc aaggcttccc gtgcagctaa accagaaatc 300
gatgctgcca ttgagcaact caacaaattg aagctcgaga aatctaccgt cgagaaggag 360
cttcagtcta ttatcagtag ctccggtaat ggttcgctta accgtgaggc ttttcgaaaa 420
gctgttgtca atactctcga gcggcgtttg ttctatatcc cttcgtttaa gatntacaag 480
tggcgctcgt ggactttttg attatgggtcc tccgtggtgt gctattaaat ccaatgttct 540

<210> 12928
<211> 153
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-049-Q1-E1-H6

<400> 12928

acntgatggt tccacacnan ancttgacca ctactcaagg gacctaatt tacaaagcct 60
acatgatatg tccttgagtg cattaacatg tctcggattt gcatactcag atgttccanc 120
aaattttgcn acttatgacg gnactgaaga cca 153

<210> 12929

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-049-Q1-E1-H7

<400> 12929

actctctcaa agctccccaa aaaaccctag ttctgaatgg aatcggcgga ttccggacga 60
tccgatccgg taaaaggaga cgaccgggt ccatctttcg tctcttcacc accagctaca 120
cctagcaggt atgagtcaca gaagcgacgc gactggaaca cgttcttgca gtacctcaag 180
aaccacaagc cgctctcgc gttgtcacgg tgtagcggag cgcattgat cgagtttctc 240
aagtacctcg accagttcgg taagaccaa gtccacgtgg cggcttgcc ttacttcggc 300
catcagcaac ctccgtctcc ttgctcatgc cctctcaagc aagcttgggg atctctcgat 360
gctttgatcg gacggttgag agctgcctac gaggagaacg gtggacggcc ggattctaac 420
ccgttcgccc cagtgcggt tcg 443

<210> 12930

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-049-Q1-E1-H8

<400> 12930

tcatcaatgg nggcgaggat aaacacttcg cttcataacg ccctctcttt tttaaagcct 60
tttaacactc ccctcaatac caaacattc tcttttagaa gaaacagntt cagattttcc 120
aaaaagcttc cttattattc tcagttttcc tcagggaaga gagctctcta ttgcacttcc 180
agttcccagg aaagtaccgt cnatgaaggc gagacatttg tcctcaccac tcctctttat 240

tacgttaatg ccctcccca catgggtagt gcttacacca ctatcgccgc cgattcaatt 300
gctcgtttcc aagagactgc ttgggtaaga anggtatctt tatcacanga acagatgaac 360
atgggtgagaa gatagctact tcagcagctg ctaanggacg taatccncct gaacattgng 420
accncatttc caatcttata gancnnnttg gaaanato 458

<210> 12931
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H9
<400> 12931

tcaaacagat taccacagga gcctgtgaaa tcgttatctt gttcagaaga tgaggatgtc 60
tcaacagcat atacagatct agttacttca tctaagaaga cattanattc cctcttgag 120
ttgcaagagg ctttgtttga gaagaacccc tcggttgatc aacaagtga tgcaacagct 180
antgaagaat ccaataaatc aagatgcaga agatagcgat gaatggcagc gaatatctga 240
cttgcaaaaa agaatgtctg tgttccgaaa caaggctgtg gacaaatggc aganaaaaaac 300
acaagtcaca actggtgcag ctgctattaa aggaaagctc cacgccttta accagaacgt 360
tagtgaacaa gttgcttctt acatgaaggg attcaagtag aatgattaaa cagatgcaac 420
aatcaagatc tactgttgct gttttggaac tgtccctcaa gaaac 465

<210> 12932
<211> 477
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-A1
<400> 12932

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tcctccgatt attcgacctc cgggacagat gttgccaccg cctccttttg gtggtaagg 120
tcctcctatg ggaagaggtc ctccaccgcc ttatggtagt aggccaccgc cacagcagtt 180
ttctggacca ccaccgctc agtatgggca aaggccaatg attcctcctc ctggtggtat 240

ggcctgtcct caacctcctg aaaacaagaa ggaacaagaa gaaggggttaa ggaaagggag 360
 aacnaatngg nttgggancc ccgcgcgcgg ggcctccaag aatttcgttt tttgggtttt 420
 ngggantttc ttncccnant tgggttccaa anaattgaaa nccctttttg ggnccaaat 480
 tggggtnngg gttttggggg gggccncccc aaanttnccn tttttcccn aaaggggtcc 540
 cnaaaaggcc ctcccgttta aaagggggcc ccgaaaaaaa ttnna 585

<210> 12935
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-A4

<400> 12935

attcgaaatc tttgcgagct cgtctcgccc agaatctcga tttctccacc tttcctcttc 60
 aattcatctt ccaaatccct aaaaaaaga ctcaaacttt ttaatttttg tccaaaaaag 120
 actcaaactt tcttcatcaa tggcggagaa aatcacgaga gagacgtcgt tacctaaaga 180
 gagaagcagc ccacaagctc taatcctggg acgatacgaa atgggtaagc ttctcggnca 240
 tggtagcttc gctaaagttt acctcgacg taacgtgaaa ncanacgaaa gcgtagcant 300
 caaagtaatc gacaaggaga aaagtcttca aanggaggtt aaatcncaca acntcnaaan 360
 cnganntttc gaatcctcga acttttccgg taaccaana caatcgntaa gctaattcga 420
 aggtcaaggg ggaacgaaaa ggctaagatt caaatttcgg tgaaggngt taagttccg 479

<210> 12936
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-A9

<400> 12936

gggttttctt ccatacacia tcagactcaa cgataagtac caatcggaga agagatcaca 60
 agtggatgat gagttacgaa ggcaacggag atgggtgctgc tatctccacc gaaaaccaca 120
 acgagaacta catatctcta gagagctcgc cttttcatga agactccaag tctcgagaat 180

ctcatgatct taaaaaggat tcttcgaaaa tcagtgagaa agacaatgaa aatggacgtg 240
 ataaagacgg aaacaaagat cgtgatcgtg agaaggatcg tgataggag aagagcagag 300
 acagagatag ggagaaaagc agagatagag atagggatag ggagagaagt aaggataggc 360
 aacgagaccg tcatcataga gatcgtcata gggaccgtag cagagaacgt agtgagaaaa 420
 agagatgatt tgggatgatg atcatcatcg ca 452

<210> 12937
 <211> 313
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-B3
 <400> 12937

gaagattgca tcaatgaaga agaagaaatc aagcaaggag gttgatgggtg cttcaacagc 60
 tgctgcaaag gaagcagctg cgaggaaggc aaagttggcc gcagcgaaga aaaaagaaaa 120
 gaaaaactac aatcagcaac ctgtgaggtg acnaaatcaa tccaccacc gttgtgatat 180
 gaacataggt tttgttcata tcagacttac ttgccttgaa caaatctttt gntggggaat 240
 gtggttgggt cgtgttttag agttangana actttggatc ncttnatcct ctznaatnga 300
 ncctgncnng nna 313

<210> 12938
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-B5
 <400> 12938

taacgctgat gtgccgcat atcttgacat ctttgactcc cctcagctca tgtcttctcc 60
 tgcacagggt gaaagatcag tggcttataa cgagcaccga ccgagaactc ctccaccaga 120
 cttgccatct atgcttcttg acgggagaat tgtttacatt ggaatgcctc ttgtgccggc 180
 agtgactgag ctagttgtcg ctgagctaata gtatcttcag tggctggatc ccaaggaacc 240
 catttacatt tacatcaact ccacagggac cactcgtgat gatggagaga cggttggaat 300

ggaatcagaa gggtttgcga tctatgactc tttgatgcaa cttaaaaacg aggtacatac 360
 agtatgtgtg ggaacagcca tangtcangc ctgtccaata ctttctgcng gaaacaaggg 420
 taaacggtta atgaagncac atgccaaagn gaatgatcag c 461

<210> 12939
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G9
 <400> 12939

gcaagaatta agggaacgtg cacggaanaa gaaagaagag gaagaaaaac ggatggaacg 60
 tgaaagagag aaggagcgaa ttangattgg caaggaactc ttagaagcaa agcggatgga 120
 agaagtaaac gaaagaaaac gtcttatgtt tttgcgtaaa gctgagaaag aagaagaaaa 180
 acgggctagg gaaaagatcc gtcaaaagct tgangaagac aaggctgaaa gaaggcgaaa 240
 actcggattg cctccggaag atcctgcaac tgcagctgca aaaccctcag tgccagttgt 300
 ggaggagaag aangttacat tgccaattaa accggccaca aagactgaac aaatgagana 360
 atgcttgagg tcccttaagc aagcccacaa ggaggatgat gctaantga aganagcgtt 420
 ccanactcct gctgacntac atgggaaatg tccnaaaaa 459

<210> 12940
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-E9
 <400> 12940

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 ggaattcata tacgttttgc ctctccatct gattctcagc ttatggaatt ggagcaaadc 120
 tgcattttga aaccgatga tgaggaagaa atggagtcac catcaccatc gaaaacagag 180
 gaaaatttag gcgtgggttc tctgtcttgc gcgtttacga gacaagaaca ttgcgtttcc 240
 gagacgaaag aacgcgaaga atcgactaga agactaagca gccttatttt tctttacctc 300

atcgttatgt ccgtacagat tgtgggangt ttttaaggcga atagtcttgc ggttatgaca 360
 gatgctgcgc atttgttgtc ggatgtggcc gggtttgtgt gtcncttgtt gggcaatnaa 420
 ggtcccaagc tgggaaacta atccgcgaaa ctcggtcggg tttaa 465

<210> 12941
 <211> 531
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-F11
 <400> 12941

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 ctcagattca tcttcttctc cgcagatcga tttttttttg aagctaaatc tcaaaaatgg 120
 agaacgacgc aggtcaggtc acagagctct acattccaag gaaatgctcg gcaacaaaca 180
 gaatgatcac atcaaaggat catgcttcag ttcagcttaa cattgggtcat cttgatgcta 240
 atggtctcta cactggccaa ttcaccactt ttgctctctg cggatttgtc cgtgctcagg 300
 gagacgcaga cagtggcgtg gacaggctct ggcagaagaa gaaggctgaa gctaaacaac 360
 agtgagagac aatctgacaa tgtcataagc tcttgtttgt tttttgagggt ttcgatttat 420
 tagctatgtg gctttgtcat tgaattgaaa atgttagttt ctccttaagc gaattcatgt 480
 tttcgatttt ctgcnttatt aaagataatt antaagcttt gagggcaatg g 531

<210> 12942
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-F12
 <400> 12942

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 ctggatatgc atatagcgat aaagatagag cctggattgg agctatggct gagaaattca 120
 gaggatgaca tgagctgttc atgatgatgt tatctttgac tgggtgaaaca cttcagttcc 180
 tacagaaatt tctcgaggcc ataaaccaga ttctggaaaa ccaaagagaa taatggcaag 240

tgattacata acagtaagag attaatggat ggagaattct tgcttgtttc catgttacct 300
 tgaggcgtag cacctttctg attgctaaga gtangccggg cattacggac cttacgtcaa 360
 ttatgtcatg tttaacagtg taaacctgtg gacagcattt tgtatcagaa gaattttaat 420
 gagctaàgta ncctaaattt taaaatagag tatccaantt tca 463

<210> 12943
 <211> 534
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-F4
 <400> 12943

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 gtccgaagat tatagataac aaggtagat acgggagttg tctttgggaa tcaaaagcat 120
 cttccatccc gtgtcatgaa gaatgtcatt gaagtcgaga aatctgaaga tagaaacgaa 180
 aagtattggt ttcataaagc acgcgttccc ttatatgtga tcaaagaata tgaagaaagt 240
 ttgcataggg tggtacacat accttttctc aagaagccat caagaaaaat atcaaagctc 300
 cagaaaaggc aactaaaagc ttctcgagca aacatatttt cttatctagc ctctcgagg 360
 gacaacacgg agaagtgttc ttgtgcatca tgccatctcg atgttttttt gagggattca 420
 ataacatgca gtacttgcca aggtttctgt cacaaggaat gtactatgag ttcacaacac 480
 acaactgggc agttggaaat tttggtaacc tgcaaacggt gctancntgc aaaa 534

<210> 12944
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-F5
 <400> 12944

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 tactgatcga atcaagttag agtgaagacg agatcctcat caaaaacgaa ccaaagccag 120
 cgtcttcctc ctcaccgcaa cccacggaga cgaaacaagt cgacggagat gattccgatg 180

ggttcgaaac tgccagcgaa cgtgaaatta gcgatgaaga aggagaggaa gatggtacca 240
 aaaatgacgc cgtcacgaag tcaggaggaa ccacagcact cggagaagaa gggaagagca 300
 gattgagcta atgagtgaag gagaagccat agtcgacgac ggatnaaaca agggagaaaa 360
 gctttggcaa gaaagcaaat gaaggctaaa gccggaagga aataaactgt ttcgttaatg 420
 gcctttatga agaagcattg tcaaagtatg cttt 454

<210> 12945
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-049-Q1-E1-F7
 <400> 12945

aaacaatggc gataattccg ttagcacagc ttaatgagct aacgatttct tcattttctt 60
 cttcgtttct taccaaatcg atatcttctc attcgttgca tagtagctgc atttgcgcaa 120
 gttctagaat cagtcaattc cgtggcggtt tctctaaacg aagaagcgat tcaacaaggt 180
 ctaagtcgat gcgattgagg tgttccttct ctccgatgga atctgcgaga attaaggtga 240
 ttggtgtcgg tgggtggtggt aacaatgccg ttaaccggat gatttcaagc ggtttacaga 300
 gtgttgattt ctatgcgata aacacggatt cgcaagctct gttacagtct tctgctgaga 360
 acccacttca aattggagaa cttttaactc gtgggcttgg cactggtgga aaccgccttc 420
 ttggagaaca agctgcagaa gaatcaaaag atg 453

<210> 12946
 <211> 534
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G10
 <400> 12946

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 cgtccgacac aacgcagcta agaaacctcc ttaaagaaca aagaaaaaac ttggtgaaat 120
 cgattctctt caaagatcgt cttcctaata actttcaaca actcgatcaa tccttactga 180
 ttctgattct gtatcgaatt tgatacagag acgatgccga agaacaaagg aaagggagga 240

aagaacagga agagaggaaa gaacgaagct gatgacgaaa agcgagagct tatattcaaa 300
gaagatggac aagaatacgc acaagttctt cgtatgctcg gtaacggtcg atgcgacgtt 360
atgtgcattg acggtgttaa gcgtctttgc catatccgtg gtaagatgca taagaaggtt 420
tggattgctg ctggtgacat catacttggt ggtctaagag antaccagga tgataaagct 480
gatgttatac tcaagtatat gtctgatgaa ggtaggcttc ntaaggcgta tggg 534

<210> 12947
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G11

<400> 12947
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cccaacccaa aatcacaaaa accaaaaaaa tatataataa tgggtggctg tgcgagtaga 120
cccaaggaat cagacatgca aaacgaagaa ggctctgttc ctaacaagcc tgtctctgaa 180
aacgtagtag ccaaggagaa caacacagaa agcggtgaga aacagaacca gacagtggct 240
gagaccactg aaacaacttc tgtcgaagct aaggagacat ttccggtcga gccgaccaag 300
gaaacaactc ctgctgttca accagagggt gcagccgtcg aagagtcttc ttctgctgat 360
gctggtgagg ctgcagtagt tgcacctgag aaagtggaga acgctgcaac agaaaacgct 420
gaagcaaang tggaagcggg tgcgtanctg canccgaaaa ggt 463

<210> 12948
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G12

<400> 12948
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caattccatc gagaagggtt catactctcc ctgactttgg aggatggaag cattggctat 120
ggagagggtg cacctctgaa cagtaatgta gagaacttaa tggatgttga ggggcagctt 180

cagttagttc ttcacctcat gaatgaagct aaatttagtt acatgcttcc tttgttaaata 240
 ggctcgattt cttcctggat ttggagtga cttggaatta ctgcatcatc gattttccct 300
 agtgtcagat gtgggtctgga aatggctctt ctaaacgcna atggnaagta agacatgatt 360
 cctccttctg ataatgaagt atccccaaca aaactaagaa tcatgtcnta ctgccattgc 420
 gtttaaaaag aaaatngggt ctgctcance aaactccgtt caaaanantg 470

<210> 12949
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G2

<400> 12949
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 ctgcaagttc cttcttatgc tcattcctcc caatgttctt tccattgacg ttgacgcattc 180
 cgatgtgttg gctcatggga aagatacgga ggagaatagc ttcattctata ttctcccag 240
 aggaaggagc caacagtctg acaaaaaagt tcaatgttat gaacctgcca caatgaaata 300
 tctgggatat ttccctgctc tgtcgcctac tgaggtcgag gagcgcgtaa cactatcaag 360
 gaaggctcaa aagacatggg ctcaaagtag cttcaagctt agaaggcagt tcttgccgat 420
 tcttcntaag tacattattg aacaccaaga gcttatatg 459

<210> 12950
 <211> 539
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G3

<400> 12950
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 cccacgcgtc cgggagaaga cggagtttaa aattgagatt caatggtgga gaaaggtcac 120
 gaagcgttat agcttccgct gaacggagca gtgaagggat tgagaagaca acagacaccg 180

tcggtggcgg aggaggagga ggagcaggca gatttgctgg tactgccatg gaggttacta 240
 cacttgatcg tggttttgct aactccacca ccgttgattt tccgatctgg gacaaaatcg 300
 gcgccgtcgt tagacttact tatggaatcg gaatatatgg agcaatggct gtagcaagaa 360
 gatttatatg ttcagtgact ggaattgatt catcctgggtg gaatttgatt cttctccttg 420
 atgcactact tgctggactt ggctatgcaa caccaacaat catggctcct cctcttcata 480
 ctcgacgatg aagttgtgaa gctatcacgc catgctcggg ccattagaga tgtggaant 539

<210> 12951
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G4

<400> 12951
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 ctgctcttcc tttcacggcg agtacttagc tccgtcgaga tgctttctcg gagctccggt 120
 cacttcctct tctttatcac tctccggtaa gaagaactca tattctccga gacagttcca 180
 tgtttctgcc aagaaagttt ctgggttaga ggaagccatt agaatcagaa aaatgagaga 240
 gcttgaaact aaatcaaaag ttaggagaaa tccaccatta agacgtggaa gagtatcgcc 300
 tcgtcttctt gtacctgatc acattccaag gctccttat gttgagtctg gtgtattacc 360
 ggatatatca agtgagttcc agattcctgg tctgaaggc attgcgaaaa tgagaactgc 420
 ttgcgagctt gctgctcngg tttaaactaa gctggaactt t 461

<210> 12952
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G7

<400> 12952
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 ctctccattc gctagatctt acagatttgg acgacgtaat ctggaaccac tttccaacgg 120

gttctatctc tctcttctcc attctctctc tctatagaga cacacaaaag tagaaagacg 60
aagaagaaga gagaacgggt ttgtagttgg tggttgcgtt tctttctcgt ttatattctt 120
ctttcttttt tgttttcatc tttcaattcc tttttttctt ttttgtttat aatctaatacg 180
acgcacgaac agagcaatct caagctcttc ttcttcccca caattgaatc tgattctgag 240
atcctcttac cttctgtttg atctctctgt ttcctgacga aggagatatt gtagagaaag 300
aaaggggttc tcatgattct cgtgttttga gtctctttcc agtanantt aaaacttaca 360
cttgtctttc tttgtctttt tgggtgganat ctactagatc ngttccggtt ttccatnaaa 420
ctttgggtnc angttccgta caangaaata g 451

<210> 12955
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-D9
<400> 12955

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atggcggaag cgatgaattc gtcggagaag aaagatgaga gtcggagga gaagggaggt 120
gagcttttgt tctgtggtgc tacggcttgg gatatcattg gaaaacgaaa aggtgcatg 180
gaaggtaact tgggtctctc tactcggcta aggccactcg tcggcggttaa cattcgattc 240
gtcgccactg gttgcgcttc gtttcattgt gtggcattgg acgttgaagg tcgttggttac 300
acttggggac gtaatgagaa angtcaatta agtcatggtg atatgattca acgtgataag 360
ccaacagttg tgtcangact ctctaagcac aaaattgtga aagccgcaac aagaaggaac 420
cacacngtaa ttggttantg at 442

<210> 12956
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E11
<400> 12956

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 ggagaatggc taccaaaaag tgccatcgat gctttggtcc atcttatggg tgtcatatcg 120
 ggacgtccaa agggactcct taaagagtgt tcaaaacgta tcgagtctgg actgcagatc 180
 attcaagatg aactgatcaa gcttggaatt actgacgaag ttagagaggc tgatttgagg 240
 cacacagcta tctgggatgt ctanggtttt tcttatgcta caagatgcag tttcctgaga 300
 atagagtggc tttggaactt acaaggctctg attatgtcna aagctgaaaa agcttttggtt 360
 gatatgaaaa attggtttac acgatttcca aacgaattta caagcttctg aatgtatgaa 420
 ttganatgct caaggggggca ataatcctca atccgt 456

<210> 12957
 <211> 531
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-E12

<400> 12957
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 cgtccgcaga aaacaagtag aaactttaaa acgagagaga gagaaagaaa tggcgacatc 120
 gggaacgtac gttgacggag gttccgttga aaggatcggc ggagaaacac tacaagagct 180
 ggaagagcga agaaccatgt ctctcgtgac gccattggcc accacatcca aaatgtcgtt 240
 gttcacgaag gcgaacatga ctctcacggg tctatcanga gttgggacta cacatatgat 300
 ggaaagaagg agatgttcan agagaagaga gagatagatg atgagaatan aacattgacg 360
 aanagaagac tggatggtca cgtgatggaa catctcaaag tatttgatat catctacgaa 420
 tttattccca aatctganga tagctgcgtc tgccaaatcc ctatgatatg ggaaaagcgc 480
 aacgatgact tcccgaanca agccggctac ntgaaaaten tccagcnant g 531

<210> 12958
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-E2

<400> 12958

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accaccgtcg ctggctgtaa cggaatctcc gcttgtgatc tcgagaaact caacgttctc 180

ggatgcggaa acggcgggat tgtttacaaa gtccgtcata aaaccacatc ggagatctac 240

gctttgaaaa cagttaacgg cgacatggat ccgattttca caagacagtt gatgcgagag 300

atggaagatt ctccgccgta cagattcacc gtacgtcgtt aaagtgtcag ggaatcgtcg 360

agaaacctgt cntcggtgaa gtatcgattc taatggagta tatggacggc ggaaccctan 420

aatcactaag ncggcgggtgt aacggagcan aaactcgccg gattcgctag 470

<210> 12959

<211> 523

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-048-Q1-E1-E4

<400> 12959

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atttccaaag gttttgagct ttgaaaaatg gtgagaatca gtgtgcttaa cgatgctctt 120

aagagtatgt acaatgctga gaagagaggg aagaggcaag tcatgatcag gccttctctt 180

aaagtgatca tcaagtttct tatcgtcatg cagaaacacg gttacattgg tgagtttgag 240

tacgttgatg accacaggtc tggaaagatc gtggtccagc ttaanggaag acttaacaaa 300

tgtggaagtc atcantcttc gtttccgatg ttggagttaa ggagattgaa ngctggaccg 360

cncgtctctt tccttccaga cantttgngt acattgttct taccacctcg gcggggtant 420

atgggaccac gaagnacca ggagaanaga atgttgngg ccancgttcn tggctccttt 480

nctgantcaa agtcttnaag gaggagaanc cttangggtn ggg 523

<210> 12960

<211> 467

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E5

<400> 12960

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tattcagctc tacacctatc agatttgccg tgctatgaat tatctgcac aagtgggttg 120
agtgtgtcac cgtgacatta agccgcagaa tctgttggtc aataatgtta cgcataaagt 180
aaagatatgc gattttggga gcgcacaaat gctgattcca ggagaaccaa atatatctta 240
catatgctca aggtattaca gagctcctga actcatattt ggagcaaccg aatacacaag 300
tgcatcgan atgtgggtctg taggttgtgt catggctgag ctttttcttg gacatcctct 360
attccctgga gaaaccaagt gttgatcaat tgggtggagat cattangntt ttagggacac 420
cagcaggaga agagataaag aacatgantic ctcgttacia tgaantt 467

<210> 12961
<211> 225
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E9

<400> 12961

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ctactggagc taatggacta ttgtttcgct tccgaanccc gnaagcaagt atatgtacgg 120
aagctcgtcc aaagaacatc aactcatctt actttaccag atcttttgaa gttcttgatg 180
canaagatct ggtanagtta gatgagttgc nttncgannt tcnaa 225

<210> 12962
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-F10

<400> 12962

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actgcttcag ccatgttccg tggaaagatg ancaccaagg aggtcgatga acagatgctg 120

aacgtacaga acaagaactc ctccactttt gtggaatgga tccctaacaa cgtcaaatca 180
 accgtctgtg acattccccc tactggtctg aagatggctt caacgttcat tggtaactca 240
 acttcgatcc aagagatggt caggcgtgtc agtgagcaat tcaactgctat gttcaagaga 300
 aangctttcc ttgcattggt acacangtga angtatggat gacatggagt tcaactgaagc 360
 tgaanagcaa catgaacgat cttgtctctg antatcagca gttatcaaga atgccaacgg 420
 ctgatgaaag aaaggagaat tatgangaag gaagaaacct gagtnacgaa 470

<210> 12963
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-F2
 <400> 12963

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 tacatagatt tctccattat ggattcgatg atgaatcaga agactgtttt ggctgtgacg 120
 gatgatgtgg tgttacctgt tagctctgtt ttagctataa tgaaagagct tggaaaggaa 180
 gtgattgaga gttttgatcc tctgattatt actcaagcat ccacaataaa tcagtttctt 240
 ttggatgctt cctctgtgga ggcgggtatta gccatttcca aaacatctga tttcccaagt 300
 gataaaatat gtggtgagtt ctcaaagaat cttgaagcct ggcggcacgg tttccgtgtg 360
 caaangtttt ggganggtga aacgggagaa attcaacaag accattcaaa ggagaantga 420
 cattgggctg ggtttcttga nccacagtgt cntgatttg aaatccatta aag 473

<210> 12964
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-F6
 <400> 12964

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 aagaactagc aacaatgcct catcacttgg tggccaaagc atttcaatgc cagaggcgct 120

ccgaggcagt ggaattccgg caacacagcc aaccagcaa acactacctg gtgctaatat 180
cgctactgga cctgctcttc ctgagcagct tccaatgcat tactctcaac ccacattacc 240
tctaacacac tatgcaaaca tgatcgggta tctctaatg cctcagaatt atccatacat 300
gccatctgct ttccagcaaa catttgctgg taatagtga taccaccagc aactagctgc 360
attgcttccg cagtacaaaa ccaatgtctc tcccggtaat ttgcctcagt ctgcaacagc 420
gctgcctct gcttaaggat ttggnaactc gaacaatgtc cgg 463

<210> 12965
<211> 531
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-G12
<400> 12965

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gtccgaaagt atttggtgtg ataaattccc tctccagctt ctcggtgaca cagatatttt 120
gcttccaaat aaaacgagtc cggctactgg cgctcantga cttcgtcttc ctccatctcc 180
gatccattgg tttacaagc gcgtgagggc nagatagacc gagaatcatg ggaaacggaa 240
actcaacgga gacgaaagag tcgcgccgat naaagatgcg taagaagatt caaaactttc 300
gcagccgccg ccgtentagt cgtccaggat ccggaagcgt ctctggattg gctagtcaga 360
gatctgtgag cgcagatgat ttcgccgga ttgctcttct cactcttate cggcgccggag 420
atgaagttca aggacaagt tggtcgcct gtgtttcctt cggggaacaa actttccgtn 480
cggaaatttc agaatccacn agagaagccg atttggaaact cggaaaagaa g 531

<210> 12966
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-G3
<400> 12966

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agtgggtcttc tctccgtcga tgggtcttaag gtacttcaca tggacaggaa tgactactac 120
 ggtggagagt caacttctct taatctcaat cagctgtgga agaagttcag gggagaagag 180
 aaggctcctg ctcathtaggt ttctancaga gactacaatg ttgacatgat gccaaagtgt 240
 atgatggcta acggaaaact tgttcgtgtc cttaatcata acggatgtta acaaattact 300
 tgtcctttaa aagcctgttg atggaaagct aatgtttttt gtccaaaggg caaagggtcca 360
 aaaaaagtgc caancaaact cccaatggga nggcctcaa atcctcctcc ttaatggggt 420
 aatttttgag aaaacgttca aacct 445

<210> 12967
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-048-Q1-E1-G6
 <400> 12967

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 tcatcttctt ctcccttgga ggaagaagct ttgggttcca ggaggaattc aggtgtgcag 180
 gacttgctgc ttggccactt ggataccgaa agcagcagtg ttgctaagca tctggaatct 240
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 ggccaagagt tggcacaaga atccctcgg atttactggc tgtctattgt ctttcttggt 360
 ttcgatgtgt tctttgttgt cttctgtgtt gcgttggcct gcgttattgg aattgcgggt 420
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<210> 12968
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-D5
 <400> 12968

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acacagatgt tacgacatgg agtccaacag gtcgtttatt ccaagtggaa tacgccatgg 120
aagcagtgaa gcaaggatct gcagcaattg gactcaggat ctcgtttctca tgtcgtttctc 180
gcttgtgtta acaaagctca atcggagctt tcttcgcac c agaggaagat ctttaaagtc 240
gatgaccann ncggtgttgc aatcgctggg ctcacagccg acgggtcgtg tattgtctcg 300
gtatatnaga tcggaancga ttangcacnc ntttacntan gaactcncgt cgtcnnngtt 360
gggtcgtccc ggttgtncag cgtgctgna agccctcacg gtccggtnnc nnaccgatca 420
nggganaacg acc 433

<210> 12969
<211> 452
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A7
<400> 12969

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gaaagatgtt agaagttcaa ctcaaaagga ttggagtttt tggcgctgaa gaaaccataa 180
gctcacatct gaattttgac gaacactata aaatattatg ggctaatacat ggtgatgaaa 240
tcagcattca gtactctggg actcctgcac ttaaaggaag atttcgttan gtatgggcat 300
cggactgccc atgggtgtcc ttaaanatgg ttggagctcc ctcagacgcn attacctnaa 360
taactttgct gatggaacna agcangatgc aattgatctc ttgcaagggc actacatanc 420
tngctggtga gccganncat ggctcctgta cc 452

<210> 12970
<211> 460
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A8
<400> 12970

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 ccggagctct tcctctgctt aaacgatcct tctccaaact cgtcgattct caaaccaata 180
 ctgttccttt tcaatccttg aagcanagtt ttgggttgag ctacgataca attactantg 240
 aaggagagca naaagtttca gacttgtttc ccaaattggt ggagcattta ggatcatctt 300
 tagtacattt gttcttcgtg cctgataaag ancgattga gttgggttga gtttgcnag 360
 tggttacgtc aanatgttgt gggaagaatg ttcgaagtcg atgtcnntca gnacnntggt 420
 gagagttnan atgtnacagc taaaaantcn ggcttttcng 460

<210> 12971
 <211> 545
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-B10
 <400> 12971

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 ttaccattgg ggctcagcc tcatgtctt gtcgcgcgc tgcagcttca cgacggcgac 180
 gctttgaaac gcgctcctga attggattct gataaggaaa tgtctgcagc tgttattgag 240
 ggaaatgacg ctgttactgg tcatatcatt tccactacta ttggaggcaa aaacggcgaa 300
 ccaaagcaga ccattagtta catggctgag cgggttggtg gaacagggtt attcgggatt 360
 gtttttcagg cgaaatgctt ggaaactgga naatcagtac cattaaaaag gtcttgcaag 420
 atcgacgcta taaaaaccgt gagttgcaac taatgcgacc aaatggatcn ccaaagtgc 480
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 ccanc 545

<210> 12972
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-B2

<400> 12972
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 ggcggttca tcacggtgat gtagatggga ggaagtatga acgctatgat gcaacagact 180
 ctgaaacttt aagtgaaccc ttgttaggaa gtagtagtac tgataatagt anaaatgagt 240
 acattgagga gcgtactctg gaggatattt gggaagaaga acggaanaga cagcaagttc 300
 nctgggacgt taancctttt ctcaagttgat tncacaagtt gngctcaagt ggaatagcca 360
 aaagtaagtc nnttggaatc tgggntcaac ttgggtggga agtttccttt cctctgcctt 420
 aacatttggg tcaaataggg tcctgggtgg ggaagcttct ngccaacca 469

<210> 12973
 <211> 53
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-B5

<400> 12973
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<210> 12974
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-B7

<400> 12974
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 tgtctttatc aggagctggt ctcaagtgga tgggttcttc tttccacaac gtaggagcaa 120
 agcagagtgg tggttggtacc gtcagagttg gccggaagag tgagctcgtc gtcgttgctc 180
 agcgcaagaa gtcgttgata tacgccgtta aaagtgcgg caacatcttc gatgacctca 240
 acgaagccac acgaaggagg ccttggcgga tggcgagaaa acaaaagact acattgttga 300
 gaaaaccatt gaagccaatg aaactgcgac tgaggaagct aagaaagctt tggattatgt 360

gactgagaaa ggaaaagaat ccggaacaa ggcggctgag ttcgtagagg gtaaagcaga 420
 anaggctang aatgccncaa agtcengatt caaccactca gttnnnnng 468

<210> 12975
 <211> 530
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-B9

<400> 12975
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 agaaaccgcc gagacaatca acaccacgat ctcatcgccg ccaccggaat ccgaaagctc 180
 caccactatt tctgcaatga cagatccaac atctcaagaa gcagcctcaa aagacacaga 240
 tctgacgaaa gaagccgaat cagagaagaa accaggagga atctctctcc gaatctggcc 300
 accgactcag aaaactcgcg acgccgttct gaatcgctg atcgagacct tatccaccga 360
 atcaatcctc tctaagagat acggtactct taaatctgac gatgcaacca ccgtcgcgaa 420
 acttatcgaa gaangangcta tgggtgttgct tcgaatgctg tgtcgagtga tgatgatggg 480
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<210> 12976
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-C10

<400> 12976
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 acttgagaag tcttcgcata atggagtaga agcgcttgat cttaaaacc taaaaaagct 180
 tgctctctcc ttcgagcggc gtcttagaga caacatagct gctcgtctca agtatgtgga 240
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<400> 12981
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 gcgcagatct ctcaatcttc tatagttgta gtttcgaggc ttatcaagat acactctaca 120
 cacattctct aagacagttt tatagagaat gcgatgtcta tggaacggtc gattttatat 180
 ttggaaacgc ggcagttgtg tttcaaaact gtaatttata cccgaggaaa ccgatgccaa 240
 atcagttcaa tgctatcacc gcccaaggcc ggtctgatcc gaaccagaac actggtacat 300
 caatccaaaa ctgtacgatt aagccggcgg atgatcttgt ttcgagtaac tatacagtta 360
 aaacgtatct gggtcgaccg tggaaagata ttcaaggacg gtttacatgc aatcct 416

<210> 12982
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-D1

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 ttcggaaaaga gaagaaacaa gagtcacaca ctctgtgtca gatgtggccg tcgcagtttc 120
 cacatccaga agagtcggtg ctctgcttgt gcttatcccg ccgctcgcaa gaggacttac 180
 aactggagtg tgaaggcaat ccgtagaaaag actactggaa ctggaaggat gangtatctt 240
 cgcaatgtgc ctgcangtt caagaacggg ttcaagagaa ggtancgaag ccaagccaaa 300
 ngaacaangg aattgcntca tcagcttaaa ctttgttttt gagcatcaaa gggaanagag 360
 aaatcctgan tttgttggtt cacaagatta ctactccna agtgtctgaa ttaangacta 420
 nccttttggt gtgggtcctt tgccgttttt aaagtttttg acag 464

<210> 12983
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-D4

<400> 12983

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gtgtctcacg aagagtcttc tgtagctcca aagagaacga tataaacaga gatcggaatc 180
agtctacagg aattcaagtc tacggcgaaa tccgaagagg ttattaacag agactgtaaa 240
aaattctcan gagtagctcc ggtgggatcc tctgattggt cagaagttga gggagcatgg 300
gtgctgaaac caagaaactc gaaaccgaag atgggtgttc atttcattgg cggtatattt 360
gtcngtgcag caccacagct tacntatcga antgtttctc gagagattag nggagaagga 420
tgttttggtt ag 432

<210> 12984
<211> 470
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A6

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tcactaggga tatgtctgat gttagtagta gcatcaagtg tgatctatga agcgcaagga 120
acgttcttac taaaccatta cttgaagaag aattttccaa aaaaatgcaa cgagtttacg 180
ccttacgcta acaaggggat gataacgttg gtgaccgatc tcgaaggtag cagtccggcc 240
actacagagt tcaagacttt ctttacacag ttcaagtctt acatgtcctt ccatccaaga 300
caacatncgg cctcaacaaa aaatgttgat gccgagatga cagctaaatg tgacgggtctt 360
ttcaagggcc atgtctgcat tgagtgctat aaagggcgtc aaatcagcgg atgctgggag 420
tatgaagatg accatgttgt cgatgggaaa gacttggttg agcagaanaa 470

<210> 12985
<211> 431
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-F3

<400> 12985

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 anatacataa cataggagcg acacttggtg gtgttgacaa gttcnggtaa caaatactac 240
 cagaagctan gcgataactca ntacggtang cacagatggg tagagtatgc ttcaaanggt 300
 tcgttacaac gcaatctcaa nntccaanct gaattgggaa cgggggtggct tccatttnat 360
 cactnanttac acttgggaat aaccnctnga atttggaaac caaaaaagggt ttgggccttg 420
 anccataagg naaacttncc tgggnaaaag gggnatc 457

<210> 12988
 <211> 73
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-047-Q1-E1-G11
 <400> 12988

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 ttttcaagcc atc 73

<210> 12989
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-047-Q1-E1-G3
 <400> 12989

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 tcttgatcgc accattgagt tttaactga ggtctttggt atgaacctgt tgaggaaaag 180
 agatatccct gaggagaagt attctaangc ttttcttggt tttggncctg aaacatcnaa 240
 ctttgttggt gagctcacat ataactatgg tgttagctca tatgatattg gaactggctt 300
 tgggcatttt gccatttcaa ctcaagatgt ttccaaactg ggttgaanaa cgtccgtgcc 360
 aagggtggaa atgtgactaa gggaacctgn gtccagtcaa aagggtggaa gcanttgctca 420

attgcgtttn g

431

<210> 12990
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12990

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 cgacaaagat ttgatatcga atccaacaag tgaaagatgg gtctatcaag tcttcctggg 180
 ccatcagaag gaatggtatg tgtgatatta nttaatacag cattatcgat ctccattgtc 240
 aaaggcattg taagatcatt ccttggcata gtaggaatca gtctcncgcc gtcttcatcc 300
 tcgccttctt cggtgacngg tatcgtcaga gaantcatca annttcaaga gtcatttgan 360
 ttccgggtcg gcnaanccag gngaagttac cntgaggaag ntcaagganc cgggctccgn 420
 nnactgaagg tttgaggagc ttgtgg 446

<210> 12991
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-047-Q1-E1-H1
 <400> 12991

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 gccagagacc tcgctgagaa atcggcagag cagaaaaaca atgaaagaga cgaagtaaag 180
 caaacggagc agtttggcgg gtttccagna ggagggtatg gangggtccc gggaggangg 240
 tatggaggaa accctggtgg gatgatatgg aaaccgtggt ggtggntata gaaaccgtga 300
 tggaggatat ngaaaccgcg gtggaangat atgggaaacc gaaggaagaa ggatattgtc 360
 gctaattgnt nctggctaca aganggctac taaccggng ggctgcctcc aaggngttgg 420

tncntaancc cgggtcaggc tgttcaaanc tcnagnccag gagaattnct ngngng 476

<210> 12992
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-047-Q1-E1-H10
 <400> 12992

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 gagaggagca gttgttccaa gagtcaaaag acaaggagag tgtggaagtt gttgggcgtt 120
 tgccgcgact ggagcgggtgg aaggtataaa ccagatcaca accggagaat tagtatcttt 180
 atcggaacaa gaactcattg actgcatag agggaaacgac aactttggat gtgctggtgg 240
 tggagcagta tgggcctttg agttcattaa gggagaacgg tggatttga nccgatgaan 300
 ttnanggtta taccgntgaa natactgcn catncaaggc cattgaaatg aaanccaacc 360
 ggggtggtaac cattaanggn catnaaggtn tcccggtaac naagaaattc cttgaaaaaa 420
 gccgttgccct aacaacctaa taatgttatg aa 452

<210> 12993
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-047-Q1-E1-H3
 <400> 12993

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 agctagcaga ggatgggttac tctggtgttg aggttaggggt tactccaatg aggactgaga 180
 ttatcatcag agctactcgt actcagaatg ttcttggtga gaaggggagg agaattaggg 240
 aattgacatc tcttgtccan aagagattca agtttccagt tgacagtgtt gagctctatg 300
 ctgagaaggt taacaacaga ngtctctgtg ccattgctca nggctgagtc tcgacgttac 360
 aangcttctc ggtgggtcttg cctgttcgca nggcctgtt atggtgtttt gagatttggt 420

448

<400>	12994
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54

<400> 12995

taatttgccn aagagaatga cggcgcc 447

<400>	12996
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cgcatcagtg atgaagtgcg ggaagggcaa agtttggctc gatcccaacg aaagctccga 120
catctccatg gccaatccc gccaaaacat caggaagctt gtgaangatg gtttcatcat 180
cangaagcca nccaagattc actctcggtc cagagctcgc aaaatgaaga ttgccaatat 240
gaagggctgt cactctggnt acggtaanag gaaggggtacc cgtgaagcta ngttgccanc 300
anangtactg tggangcata ngatgcntgt tcctaggcgt ctggtganga nntaccagtn 360
nagacgaaga ntatttg 377

<210> 12997
<211> 472
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H8
<400> 12997

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cttgttcgtg atctctcttc ctccggaaaa agatgtcggc cggtaacgga aatgctacta 120
acggtgacgg aggggttagt ttccctaaag gaccggtgat gccgaagata acgaccggag 180
cagcaaagag aggtagcgga gtctgccacg acgatagtgg tccgacggtg aatgccacaa 240
ccatcgatga gtttcattcg ttacagaana aacgttctgc tcctaccana ccgatnaacc 300
aaaaacnccg ccgctgcttt tgcccgcgt ctccgaggaa ggagcgtcan gaangattca 360
agcttcantc taatcaagtt gcatccgntt agcatcggtt taacgannaa gagtcaagga 420
ccaaaagggt gggtgaagan ggagattccg gcgggaaaaa gnaagaaccg gg 472

<210> 12998
<211> 517
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A11
<400> 12998

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ctcggtcath gtttcttgaa attccactgt tattagactc ttgactctgt tttgtttccc 120
gccgatctcg tgatgatggc caccaccacc accaccacca ccgctagatt ctctgattca 180
tangagttca gcaacacaag cggcaatagc ttcttcgccg ccgagtcacg tcttgantat 240
ccgacggaat ttctcacgcc accggaggta tcagctctta aacttctgtc taactgcctc 300
gagtctgttt tcgactcgcc ggagacgttc tacagcgatg ctaagctagt tctcgccggc 360
ggccgggaag tttcttttca ccgttgtatt cnttccgcga gaattcctgt cttcaaaaag 420
ccctttancc aacgtnaann gaacnaaaaa tctccancac cggatgaagt ncagctgaan 480
gnagatngcc agagattacg aaatncggct tganccg 517

<210> 12999
<211> 479
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A3
<400> 12999

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agaagccaat cttacttatt catggtgaag aagacaataa ccaggaact ctaacaatgc 180
agtcagaccg attcttcaat gcaactaaaag gccacggcgc tctttgccgt cttgttggtc 240
ttctcacga gagccacggg tactcagcac gggaaagcat tatgcacgtt ctctggggaa 300
actgaccgtt gggcttcnaa aatactgtgt tcaaaacaca tcaagatgca cgatacaant 360
cccgnnncaa gtccaanaga aaggtcaaga ttctgcagac aaagttatcc accanggaac 420
nggtgggtgg naaanccgga gntttggtna agcatnnaag ttcactcaa ncctccagg 479

<210> 13000
<211> 448
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-F2
<400> 13000

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 ccaagaggta tatgcagcag tacaatgatg ttgaattgtc tgccttggc atggccattg 180
 caactgttgt tactgttact gaaatactga agaacaatgg ttttgctgtt gagaagaaga 240
 tcatgacttc aactgttgat attaaggatg atgcangagg acgtcctgtg cagaaagcta 300
 agattgagat tacgcttgtg aagtcanaga agtttgatga actaatggct gcagccattg 360
 aanaanaaga agatgcagaa ncccagggtgc agaactgaaa atngccttta actaatttgg 420
 ggntcctga tgctnaatcn annaaang 448

<210> 13001
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-D4
 <400> 13001

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 tactgtggca agcaaattcg aaactttgtc tcagtacaaa agctctgtac cgtctggta 180
 cacaagcctt gttcgtgggt ttgggaattt catacggagt tttagttcgg aagctcctcc 240
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 taaagatgtt aaggcttctt tagttgaatg caattgggat cttgaggctg ctcaaaaanga 360
 tttngagaaa ngagagggaa aattttggct ccaaaaaatc gtcacggact gctgcaaaaa 420
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<210> 13002
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-D8
 <400> 13002

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gctgagaaga aggagaagaa gaaggataaa gataanaagg ataagaacga ggacgataaa 180
aatggtggag gagaagaagg ggaagatcaa gagaagaaga gcaagangaa agatangaaa 240
gcgangaaag agaagaaccc tgaagataag aangatccag agaagttgaa gatgaaagct 300
tcagaagatt gangaaaaga ttcaagctat ggtcttaaag aaagatgaga ttgtgaagct 360
tattcatgat gctgaacaag ctaagcctag tactgctgca gtagatgcac caccaccaac 420
taactaattc aaatacacag attatanact acaatangt 459

<210> 13003
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-D9
<400> 13003

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gacgacgaag cagaaaatga agacgatgat gatgatgatg atgatgatga tgacgacgac 240
gaggacgagg acgatgaaga aggggaggag gatcttggga cagagtacct agtgaggccg 300
gttggtgagg ttgaagatga agatgatgca agtgattttg accctgagga gaatggcttg 360
gatgaagaan aangtgatga agagatttga anaagatgat gttgatgaag acatcaacct 420
gaatgctggc aaatctgaan cctctgg 447

<210> 13004
<211> 452
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-E11
<400> 13004

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catttgtgtga acagaacaca aatcaacaca acacacacaa ctttgtgttc ttttaagtttt 120
gtttcagaga tcaatggccg ggactggatt gtttgctgag attcttgatg gagaagtata 180
canatactac gctgatggtg agtggaaaac ttcttctca ggtaagagtg ttgccatcat 240
gaaccgggcc acgaggaaga cacagtacaa ggttcaagca tgcacgcang aagaagtgaa 300
cgcggtgatg gaactggcga aatcagctca gaaatcgtgg gcgaaaactc ctctttggaa 360
aagagctgag ctcttccaca angntgcagc aatccttaan ggacaacaaa agctccaagg 420
ctgagtctct tggttaaagaa atcnctaaac cc 452

<210> 13005
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-E12
<400> 13005

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gacatggtac tcttggcgtc accagatcga tttcttgtct anccatgggt accacgtggt 180
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tgtgagtcac ctagtcgctg atgtcatcgg tttactcgat cactacggca ctactcaggc 300
ttttgtggct gggcatgact ggggagcaat catangttgg tgtctatgct tgtttagacc 360
agaccgagtc aaaggttcat aagtctctcc gttccatatt tccangaga ttcaaaaact 420
caaaccttca nantttttca aaaattttg 449

<210> 13006
<211> 532
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-E4
<400> 13006

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tccctccttc ctcacagctt tcgattcgaa aacctcttca cccaaccaac gctaacaaca 180
tctctcaccg cctcctaac aaaaagccca gactctgccg ttaccgggt aaagaaaatg 240
tgactccgcc tccttctccg gatccggatc tcttctgctc ctcttctact cctcactgta 300
tcttagattg tatcccatct agtgttgatt gctctctagg agatttcaat ggtccaattt 360
cttctcttgg tgaagaagat aaagaggata aggacgactg tataaagggtg aatcgtgaag 420
gttatttgtg taattcgatg gaggctaggt tattgaaatc gagaatttgt ctcggtttg 480
ataagtggaa tccatgagga tgatgaaggt ttgttgagtc taactcctga ag 532

<210> 13007
<211> 448
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-046-Q1-E1-E6
<400> 13007

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aaacctgagc catacctaac agaaaacagt tttatccctt tccaaggaag cttaaagaaa 180
ggaaataacc atattgttca aagtgttaag tacatcaagc ttactgggtc cataacctgt 240
attcagaaga gccaaaactc aaaacatctc gctattggat cagatcaagg acatgtttct 300
ctggttgaca ttgaggaagc aaatgtgtta tacacaaaac acattgcaag tgatatatgt 360
ccagggatca tctccttgca attcgagagt tgcattgtgc aaggcttcga gaagaacgtg 420
ttaagtggtt gctatgagag actcgtcg 448

<210> 13008
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-046-Q1-E1-E7
<400> 13008

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 tgctgcaaat tgtgaatcca ataaaatttg ttcgtgttgt tgtgttgatg gtgatttggt 180
 agggttgatc cgatcaaaat ttcaattttg tatcgtaaaa cgatgaggtt tctaagcctc 240
 gtcggaaact cattcggttg ttctgcgtcc ggcgaacgct tagtatcagc ggccaagaga 300
 cggtgattta caggaagcta aagctctctt aagattacaa tccaagactc gctcgttact 360
 ctacttttgg cgttcgtaac tctcctcttc attactccgc cgctcaaggc caccacgaga 420
 tagtttctcc tgttgggtgg gatcaagagg 450

<210> 13009
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-E9
 <400> 13009

catcttcntc ttcttcaaac aanaaatggg tttcttaaag ttatctccaa tgatccttct 60
 cctagcaatg atcggcggtt catatgccat ggacatgtca atcatctcct acgacgaaaa 120
 ccaccacatc accaccgaga ccagccgtag cgactcggag gttgagagaa tctacgaagc 180
 gtggatggtg gaacacggga agaagaagat gaatcaaaac ggtcttggtg cagagaaaga 240
 tcaaagattc gagatcttta aagataatct tcgtttcatc gatgaacata acaccaaaaa 300
 cctcagttat aaacttggtt taaccgggtt tgctgattta accaatgagg agtaccgatc 360
 tatgtacctt ggtgctaaac ccgaccaaag anggttttga aaaccaatga tcgtatcaag 420
 cgcntgttgg tgacgcgcnt cctgaatccg gttgac 456

<210> 13010
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-F10
 <400> 13010

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ntgggtttgc cttggcggtan ggcgtccggg aaatcccagg tgcacccacg cgtecggtcc 60
antctctcat cagcaccatg ctttctctaa cngnaacaac tctcagttcc tccattttca 120
cacaatccaa aacccatgga ttcttcaata cccgacncgt ttaccgaaaa cccttcacca 180
ccatcacctc cgctttaatc cccgcttcaa accgtcaagc tccancanan cancaactct 240
atcaaccatt ccgtccacca ccatcaccan tccctcgaan gttccgatca ctgcacaccg 300
ccggaaaant cgaagtcctc gctgatcgtc nnggtctctg gttcgaatac gctccacnca 360
tntcctcctt atacactgaa aggattcact cctccatcaa tcgaanaact caccggaatc 420
tccggtgtcg aacagaacag tctcatcgtc gnggcgaag ttcgagactc tttagttcan 480
tccgggtgcc aaaaccgggg gcttataact gcgtttggca a 521

```

```

<210>      13011
<211>      454
<212>      DNA
<213>      Arabidopsis thaliana

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```

<223>      unsure at all n locations
<223>      Clone ID: LIB25-046-Q1-E1-F12

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```

<400>      13011

aacanatcat taacgatcgt gagactggna gatcaagggg attcggattc gtcaccttca 60
aggatnanaa agccatgaag gatgcnattg agggaatgaa cggacaagat ctcnatggcc 120
gtagcatcac tggttaacgag gctcagtcac gaggaagcgg tggcggcnga ngccaccgtg 180
gacgtggtgg cggtggatac cgcagcggcg gtngtggagg ttactccggt ggaggtggta 240
gctacggagg tggcggcggt agacgcgagg gtggangagg atacagcggc ggcggcggcg 300
gttactcctc angacgtggt ggtggcngaa actacngtgg tgnaagacgt nagggatgac 360
gangatacng tggtggtgaa tgatgaagtt acggnngaag ccgtggtggt tggaggatgg 420
tnattccttt aattaagttt gggaatacca atna 454

```

```

<210>      13012
<211>      430
<212>      DNA
<213>      Arabidopsis thaliana

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```

<223>      unsure at all n locations
<223>      Clone ID: LIB25-046-Q1-E1-F3

```

<400> 13012

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tttttcctcc ttggtagaaa aaagtctctga aatttgacaca ttcttgtctc tttttttctt   60
cacaccgaaa tcttctccct anttctccga cgtccttctt cttccttctc cggtaaacac   120
cgaccgggtc tccacggnga ctctcgtctc ccantttttt tttttgtacg gctactttga   180
tcgatcgcca atgctgaatt tcaaagcctt ctccgtgtca ntttttcngg aactgggaat   240
gtgagcttcc atcaattgag agttgaaaag ttgactccta antaaaacct ganaaaagag   300
aagagagatc cttcntttta ttaatagaac aagatttggg ttttantcaa gattaataag   360
tcgagatcan cgngggggcaa ctttaaaact aaaaatccng gggtttccaa ngngggggatt   420
aaagcnccca                                     430

```

<210> 13013
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-F5

<400> 13013

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atggtntccc tggncacccg aaccgganat cgcgnngtcg ncccacgcgt cnggttcatt   60
tggacaatga acgccatata cgatatctgc aggagatctt tagacattga gaggcctaca   120
tactccaatt tgaaccgctt gatctcccaa accatctctt cgcttacaac ttctctaaga   180
tttgacggtg ccatcaatgt ggacatcacc gagttccaga ccaaccttgt accttacct   240
cggatccact tcatgctctc ctcttatgca cctgtgattt catctgcaaa ggctaccat   300
gagcagtttt cggtccttga gatcacgact tccgtctttg aacctccaa tatgatggct   360
aaatgtgacc ctangcatgg caagtacatg gcttgctggt tgatgtatcg tggtgacggt   420
gtgcccagg atgtcaatac agccgttgct gccatcaaag ccaaacgagc naantcagtt   480
tgttgactgg gtgcccact ggattc                                     506

```

<210> 13014
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-046-Q1-E1-D3

<400> 13014

gtatcaagct taaattttta cgattcgatt tgggggtactg caaatttcta ctgtgtttcg 60

ttcttttctc ccgtgataga aatctgagat ttgtaaattt tcttctttta gcagcttttc 120

caatctgggt actgcaaatt cctactaaat cgtgctcaag aaccttactt gcggagatcc 180

tgatttagct cccagagttt gcttagtttt gatcaaattc ttggcctccg agcttatctc 240

aagtttggtt aaagtacttc tttgcagatc tctgttggtc agttgcgtta aaagtgggtt 300

ctttaagatt ttaaaaatga tggagagaaa acgagaaatg gggattgctt atttcgcgcg 360

taggattaaa cagccacgag ggatttgggt gaagatgacg ttcataattg tttgggggtct 420

ctgcttcgtc cttcctctgg tccttct 447

<210> 13015

<211> 459

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-B7

<400> 13015

ttctttcttca atggcgacga anctcatact caagaaaacg acaaaatcca tcagccgtca 60

ccaacgtaac tacctccgcc gtcancggaa atctcagatc ggatgctcac cgtctccggc 120

cacaaccacc gtaatcgcca ccatcaacaa atcgatctac agatgtcanc gaacttttct 180

ctgtttgttt tcncgtcacg caacaaaagg attcaaaatc ctcaaacctc gcgaagattt 240

tcagaattct ccgtattcat tgtttcacga aagatctggt anatcattcg acgagacgaa 300

gaagacgacg gtgttagatc tagacgaaac tcttgttcat tcataatgg agaaaccana 360

agtaccgtat ganttcgtcg tgaatcgcan ggntcgacgg gcagattntt aacgtttttc 420

ggtgatcaan cggccagnaa tcgaaggagt tttttgacg 459

<210> 13016

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-B8

nnnnnnnggnn nnnnnngaac tggtnctctg tgcccacgcc ccggaaatcc cgagtcgncc 60
cacgcgtccg cccacacgtc cggcgatctt caaccgaaga gaacgagaat gtgcatctt 120
caaccgaaga gaacgagtat gtgcatctt ccaccgaagc tggtagggga gaagatcctc 180
acgaggatc cgataacatc tctgagagcg gtgcatcca cttgcaaatt atggaacgct 240
ttaaccaaag atcgggttct gggtaaagca gcggcgagc ttttgggggt tatgacgatg 300
gattcaaagg tctgttcagt tagattccat ctccgtcgca gcaaggagga agaagaagac 360
acgatggatc tatctataaa gcaggtagat ttgcttaatc aagtcgagat atctagggtg 420
tatcactgcg acggcttggt gttatgcgtg gctaangaca actcnaaggg tcntgggttg 480
gnacccttat ttggggcaaa caagatggat nagaccaga acagaatcca ac 532

<210> 13021
<211> 459
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C4
<400> 13021

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cttgtttcct cgtgagagaa ttttcaatcc tagggcttaa agagcacgtt cctagtataa 120
agctgattca cagatgcgga gattcttgat taaccaagct aaaggtctcg tcgaccattc 180
tcgtcgtaa catcaccaca aaagtccaag ctttctctct cctcaacctc gtccccttgc 240
ttcttctcct cctgctctgt ctcgtttctt ctcttctact tcggagatgt ctgcttctga 300
ttccacttct tctcttcccg ttactcttga ctccatcaat cccaagggtc tgaaatgtga 360
gtatgctggt cgaggagaaa ttgtcaacat tgctcagaaa gttacaaaga agacntgaag 420
actaataang gatgcntatc cntttgatga gataatcca 459

<210> 13022
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C5

<400> 13022

gctgattact gattcttcat tgacggtagg agtcaccact tttggcggcg attccttggt 60
 ctctatTTTT tttgcacaag caacatttag cttctgcaaa cncagttca tctctcaacc 120
 ctcatatcgc cgtgttttct cgtcttagta ccgcgagctc ggacgancca ggaagcaatc 180
 cgttaatcta gaagcgggtg tganaagatg acgattacat caaatatctc tgtacagaac 240
 gatanccctg ttgttcaagg gaagactatc cttaccanaa tccctgacaa cattanccta 300
 actccgggta ccggtaatgg attcgtttcc gggtcattta tangcgcgac gtttgaacan 360
 gagcangagt cttcatgtgt tccccatcgg tgtattggan ggtcttcggg tcatgtgctg 420
 tttccgggtt aagctatggg ggatgactca gagaat 456

<210> 13023

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-046-Q1-E1-C7

<400> 13023

acattccctc ttcacaacaa cagcttcgta ttcgctcatc ttcttcgctt tctggcattg 60
 ttcgtctact cgaggatttc aattttgggc atacaagaga agcgaagcag cgtcgccgtt 120
 caagacgagg tacagagaaa acgaagaaga agaagatatg acgattaaac cggcgggttcg 180
 tatttccgac gggaatctaa tcatcaaaaa ccggacgatt ctaaccgggtg taccagataa 240
 tgtcatcacg acgtcagcat cggaagctgg accggtagaa ggagtcttcg tcggagctgt 300
 atttaacaag gaagagagta aacacatcgt accgatcggg acgcttcgca attcccgggtt 360
 tatgtcttgt ttccgggtta agctctgggt ggatggccca gagaatggga gaaatgggcc 420
 gagatattcc ctacgagacg cagttcttaa tggg 454

<210> 13024

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-C8

<400> 13024
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caaaggattt cgaagtaata gaggtcatat ttgacgttga aacttgctta caggcgtatg 120
ttgggggtggc taaggatttg aatgctatca ttattgcatt tcggggaact caagaacaca 180
ggttttattc tagtcattgt aatctaaaag ctactccttc gcataaactt ggtaaatgct 240
taatcaatcc aaaacttggtg cagcatacaa aattgggtct cagacttggt ctggaaacag 300
ctcgatctga attaccctga catgccaaaga tgcaatgggt caccatggct ttacagtgc 360
ttatcacaat acaactttac ggcttgcggt ttggatgca ataacacgag tgaaaaaagt 420
ctacggggcg aacatcanca tcatagtgac g 451

<210> 13025
<211> 527
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-D10

<400> 13025
nnnnnnnngg aantggtttg ccttgnctta gncgtccgga aatcccaggc tttgccttcg 60
cagtaggggt gaagcgggat agtacgccac ctctatctct ctctaccct atcgaactcg 120
cgaagaacat cttcttcttc ttcttctcgc tcttcgtctt cgcgagctct cttagtagcg 180
caataaaatg ggggcttcgc ttctctctaa ggaggccaac ctcttcaagc tcatcgtaa 240
atcatatgag actaagcagt acaagaaggg actcaaggca gctgatgcca tattaataaa 300
gtttctgat catggagaga ctttatcgat gaaaggactg actctaaact gtatggaccg 360
caaaactgaa gcatatgagc ttgttcgact tggagtgaag aatgatatca aaagcatgtt 420
tgctgggcat gtgcttggtc ttttgtaccg gtcagacaga gagtatagag aagcaatcaa 480
atgctaccga aatgctcctt aagaatagat tctggataac cntgaaa 527

<210> 13026
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-D12

<400> 13026

gcaaaggaat gggttaagag gggagactta ggacacacga aagtgtatct acacatcaaa 60
ccaatgtttg gaggcacttt cactgacatt gtcgtgtgga tattctaccc tttcaacggt 120
aacgcccgcc tcaagttttt attcttcaag agcctgtcgc tgggggatat cggcgaacat 180
attggagact gggaacatgt tacgttgccg atcagcaact tcaacggaga gttatggcga 240
gcatacttct ctgagcacag tgggggaact ctagtggagg catgcatct tgagtttcaa 300
ggtggaaaca aacttgtgag ctactcngtc tcttcacgga cagcgaatgt tttcaaaacc 360
aaggacttgt gttgcaangc gatgacngaa acgnataang gaacgacatg gcaagaaatt 420
acaaantcnt tgangcaagt gttgcct 447

<210> 13027

<211> 533

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-D2

<400> 13027

nnnnnnnnng gaactggttt gcctgtncct acggcnccgg aaatcccga gtcgaccac 60
gcgtccgcga agcagaagcg gcgcacttga antcccaaac gaggtgacga tgacgatcga 120
ttcgcagcaa anaacganca aattcagatg gggggaaatg gacgaagacg aagatctgga 180
tttcttgctc cctcccaagc angtgattgg tccagatgag aatggtttga agacnacgat 240
cgagtacaaa ttcaacgatg aataaaataa ngttaagata acgactatga cacgtgtccg 300
caagctagct tctgctcgac tcaacaaacg agccatggag aggaggaact ggctaagtt 360
cggagacgca nccaatgagg aanctggtag ccatctcact atggtttcta ccgaagagat 420
ccttctcgaa cgaccccgag ctcttggtac caaagcggat gaatcanagg gaacangaga 480
tggcttgtct canctgggta aangtggtgc aattctcaag ggtgtgcang ata 533

<210> 13028

<211> 532

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B4

<400> 13028

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nnnnnnnnng gaactggttt gcctgtncnc taccgccccg gaaaatcccg agtcgacca 60
cgcgctccgcc cacacgtccg ctgagtttga ggttggacgg atgacacttg gagggttgct 120
agcttttaggc tataatgttg ttgtnantta caagagagct tcaactgctg tcanttatgg 180
taatttatcc ctatcacgtg aaacgattga tactcttgga gagactttcc tggttctgan 240
agggacagat aggaagagtg tgggagctga agctctnaga atgggcatca ctgggccctg 300
gatcacgaaa tcatacctcg aactgatcct tgaaagcaaa ggtgtaccac gcttgaatac 360
acctccactt ttgcancgt ctctgtaat cactaaccaa nganaagcan attgttgcac 420
canaacctat ccggaactan cccaacatc gttaccgcc ttgaggattt atcgcaacct 480
tggaactanat ctctacgaa atcccaantg ggnaccgath ggtgcaactt tg 532
```

<210> 13029
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-045-Q1-E1-H9

<400> 13029

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cgggtattag tgggtgctcca caggacaaca acattatgct ctggaatgct gtcataattg 120
ggcctgatga cacaccatgg gatggaggta ctttcaaact ctactgcag ttctctgaag 180
attatcccaa taaaccacca acagttcggg ttgtgtcacg gatgtttcat cctaataattt 240
atgcagatgg gagtatctgc ttggacattc taaaaacca gtggagtcca atctatgatg 300
ttgtgctat acttacctcc atccagtcct tgctctgtga ccctaaccg aattctcctg 360
caaactcgga agctgctcgg atgtacagcg aaagcaagcg cgagtacaac anganantgc 420
gtgatgttgt tgacaa 436
```

<210> 13030
 <211> 378

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A1

<400> 13030

gaatcgatcc aagaatctca ttactacaca cataaactct tcctcactgc aaactacgtc 60
 ctctcggtg catcgtaag ctgcatcttc ctactctcn ctctccgtca aatcccttca 120
 ctctgcggtt tcttctcaa cctccttcac gcnaccacga tcgcagccgc cgtctcaggc 180
 tgtgcanccg catcttatgg taaanaccgg tggtaacnag ctcacatgat cgcanttgct 240
 cttaacgccca ttttccaagg ctcaagtctt gttctcatcn ttancaaacac ttcgagattt 300
 ccncganagc cttaactctt anntccgtga gaanaaatcg tcnatgatct tgnanctagc 360
 tggcggggct ctgtgttg 378

<210> 13031
 <211> 525
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A10

<400> 13031

nnnnnnnnnn gaantgggtt gccttgccct anccgtccgg aaatcccnag gtcgaccac 60
 gcgtccgggg aatggagagt tgctgtcgga gcgtcatagc ttcaaggacg tttcatctgc 120
 ggtcaagtgg ccgtctatct cctctcttta ncttaactca tctcaagggc aagctatctc 180
 tctccatcaa ctggttttcc tccaagattc agtctcatgc tctccgagga gttggtatag 240
 gcgagtcatg ataagaaaaa tcccctgccg cgagggggccg gataaggagt caaggaagat 300
 gcgaggagta agctgcttca tgtagttttg gtctctctc agattcctgn gaatacaggt 360
 tgcattgcaa gaanatgtgc tgcctcaact gttgggtccgc atttagtcng gccattaagt 420
 tttcaagtgg atgacgccat agttaagcga actgggtttgg attattggnc ctttgtgggt 480
 gtcaaagcgc ataactcaan ggctgagttt caaagaatan ttcag 525

<210> 13032
 <211> 529

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A11
 <400> 13032
 gnnnnnnnngg aactgggttg cctttgccct aggcctccgg naatcccaan gncgngccac 60
 gcctncgnan aattcccnta actctatctc taggtgactt aagagtaaaa aatggtagag 120
 gcanagggtg aagtagatgt ggaaatcaaa tctacggctg ataagttttt catgttctct 180
 anaagatcac aacatgcctc caaagccact cgctatgtac agggatgtga tctgctcgaa 240
 ggcgagtggg gcgaagttgg nagcatactc ttgtggaaat tnactgttga tggagagcca 300
 aaagtgtcaa aggatatgat tgaggcgatt gatatgaana tgaatatgat ccagtggagg 360
 gtgttanagg gacctctgaa ggaanagtac aatattttct cgaaaacgat gaaagtaagc 420
 cctaagcaag gagggctctg gaagtgtggt gaaatgggac nttgaagtat gagagaattg 480
 atgataaagg tggctcacct agagaggccc ntcaatttct ccgtccant 529

<210> 13033
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A3
 <400> 13033
 caaggaaaaa ttanaaatg agnagcctca ncaatagtca tatggncaat atctgtcctt 60
 atgcccgtg cngtgtccna ggccatcttc cctctacngt ttctaccgtt cncacctggg 120
 ttcaacaacg gctttaggga caatgangct gtcaagggtg cgaaaccaca gcctgcacga 180
 gcagttggtg gaaaagccgc aagaaggcan cgtggcgggc gtttagacgc tcaagacaac 240
 ctgnggtggt aagtgggagc tcttcttggn aaantcgggt gtgtcangga tgcattgcgat 300
 ccttatgccca cttatcaaca angtcanta ctangatgcc accatttggg gaatttcaaa 360
 gattaagttg cctccaagcc gtat 384

<210> 13034
 <211> 459

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A5

 <400> 13034

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 ggttgctttt ccatcttcgc cgccggtgaa atgcatcgcc gatgaaagat taacagagat 120
 ctccatggat ttcaccanat taagattccc agaagaagat gaagaaatta ncaaattgga 180
 gagatcgtgg agtaagctcn aaaaatccgt cgaatttaac gaacgacgat gaagaagaan 240
 aanaagagtt ttcgtttgcc ttgtgtaaac gggngaaagg tttccaatta ncgctganga 300
 agcttttgaa gaatgggcag attcgtcctg tgtttccncc gtttaaancg ttgaatctcc 360
 cttccantnc caaaaaacga aggaatngtc aaaacggcaa acnttttcgg gcacggnng 420
 ataacagaac gncgtcntta naaanattaa nttgttgng 459

 <210> 13035
 <211> 65
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A6

 <400> 13035

 cctttggata acgttcnttc caagaagaaa gggtcnaagg gcctttggan tatttaaccc 60
 ccana 65

 <210> 13036
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A8

 <400> 13036

 tcatatagat catgcagcat ctctacctta ttttctggag aagacgacat tcaatgggcg 60
 ggttttcatg acacatgcaa caaaggccat ctacaagctg ttgcttacag attatgtaaa 120

agtgagcaaa gtgtctgtgg aagatatgtt gttcgatgaa caagacatca acaagtctat 180
 ggacaaaatt gaggtaattg acttccatca aacagttgaa gtgaatggca taaagttctg 240
 gtgttacacg gcaggccatg ttttggtgag agccatgttt atggtggata tagctggtgt 300
 ccgaatcctc tatacaggcg actattcccg tgaggaagac cgacatctga gagcagctga 360
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<210> 13037
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A9

<400> 13037
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 tctaccaaga agacttatgt tatccacatg gataaatctg ccatgccttt accttacact 180
 aatcacctac aatggtactc ttcaaagata aactctgtaa cgcaacataa atctcangaa 240
 gaagaaggta ataacaacan gatactctac acttaccaag actgctttcc acgggttagc 300
 agctcagctt actcaanaag aagcagagag gcttgangaa gaagatggtg ttgtacctgt 360
 gatacctgag acaagatacg aacttcacac tacaagaagt ccaacgtttc ttggggtagn 420
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<210> 13038
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B1

<400> 13038
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tccaccgtcc gacgagactt gttaccctct ctctctcttc tccggcgacg cctttgagta 180
 tcagegacct aatttctctt ctaaccacga ttcttctgct tatgacgacc aagctcttaa 240
 anccgagtac agtagctatg cacgaccccg acccgttgga tcnggatctg antttggccg 300
 gnaacctaata tctggatatg ganggagaac ggaggttgag tatggccgga aaactgaatc 360
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 cggtcacgag gatgaatgtg acgatgggtca caaaaaaa 458

<210> 13039
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B10
 <400> 13039

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 tcgacaccgc ttctgctata gacaacactt accttctctt ctccgcctan cttgtcttct 180
 ctatgcagct tggttctgct atgctctgtg ccggttcctg gagagccaag aatactanga 240
 acatcatgct taccaacgtc cttgacgctg caaccgggtg tctcttcnan tatctgtttg 300
 gctacncctt tgccctttgga tctccgtcca atgggtttca tcggtaaaca ntactttggg 360
 ctcaaaaagac atcnncaacn gccctctgct gaatactcca aacnttctct accaatgggg 420
 cctttgcaat cgctgctggc tgggaatcac aactgggg 458

<210> 13040
 <211> 73
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B11
 <400> 13040

cttgatattt cncatgaaag ancaagtctt tngcaaaag tactgccgtt gtgaactcgg 60
 gattgctttt gat 73

<210> 13041
 <211> 526
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B12

<400> 13041

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gtccggcgta aactangtgg gtgcaaagcc aaatatggat gaaaacgcaa gcaaaataat 120
aagtgcggga cgagcaaaga gatctattgc tcagcctgac gatgctggcg aaagatttag 180
acaattaaaa gagcaagaga agcgcagcaa gaagaacaag gcggttgca aagatacagt 240
tgaattggtg gaagaatctc agtctgaatc agaagaaggg tctgatgatg aggaagaaga 300
ggctcgtgaa ggagcgtagg ctctgagcac aacaagcaag ccgcttcctg aggttggcca 360
acgaagaagc aaaagatcga agcggaaacg cactgtatag aaccaaagca aacgaaattg 420
caagtaagga anagaaaaga gagagatttg aatcctgttc cttagtttga tctttgatat 480
atatttgcac acancatgtc cngtaattat cctaataa agggaa 526
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<210> 13042
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B2

<400> 13042

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ttctcacgcg tcaancttct tcccgggtca acacctgctc ccttgggtcg gtctccgcta 180
tcgggattct ctcttcgca ngattaactc tccaagcttt aagtaaagt ccccggaac 240
aaagctcttc tgggttcgtg aaaacttggtg ttgctgttga ncaaaaaaac cgaactggta 300
tcatcagaaa ntgggacang ggggaagtcc ctaacaaatt gctcaaact nccagacgng 360
atgaaaagct caagaannaa caccctgaac tcntttgaan atgga 405
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<210> 13043
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B3

<400> 13043
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 antgagaaaa cattctcttg atcgatggnt tttaacagct gttcttgtcg ttctcctctc 120
 gtcttcttcc tccttcgcgg ccaagaagga cgccaagaan aagaagaaga gtaataagga 180
 ggtgacatat gatggaacct cnttgatcat cgatggcaaa agagagcttc ttantctgg 240
 ctctattcan tacccgagaa gcactccgga aatgtggcca agtatcatca agagagccaa 300
 gcaaggcggt ttgaacacga ttcaagacat acgttttctg gaatgtacat gaggcctcaac 360
 aaggaaagtt caacttttcg ggacgagctg aattggtgaa agttcaaaan agntgattca 420
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<210> 13044
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-045-Q1-E1-H4

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 ttgntgttgt acanctanaa cactatatga cgagtcttca agcttccgcg tcttcttctc 180
 cttttgagaa tcgcttcttc tttcctccat cgttgggttca ngantctctc tgcaatgagt 240
 gatttcttcg atgaggggaa gcagcanttc gcaagtgttg ctgatgggaa tgcaccactt 300
 aagtatccaa gcttcaagct acctaagtcg actttcggan atactggnan anatagcgcc 360
 attggtacaa gctaaatagg gggttangntc ctc 393

<210> 13045

<211> 524
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-E9

 <400> 13045

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 acgcgtccgc ccaancgtcc gcatatatag agaatatgag caaaacggaa gcaatcagct 120
 tgaccaaaaag gggaatgttg ccgccaagta gttgcaatag cctaattggac cgctctgagt 180
 cccttaagag ggacagtgtg atgggcaatg gtgcagccaa agtgagagga agcttggagc 240
 gcaagaaatc aaagagtttt aaggaaggag atagttattc ttcgtggctc ataacggagg 300
 ctcttgggag tatagccgcc gtgaggagag agcaagtggc ggcaacaaca gactaagga 360
 aactaaagat tgctcattac ggtagatnca aatcaaccat taatttcact tcttccaaag 420
 tcgtccctct tcttaacctt aaccctaacc ctcatctca ganatgcanc ttcctcanc 480
 ccacttctga ttctatttac gttgcctacc atgatgaana atng 524

<210> 13046
 <211> 525
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-F10

 <400> 13046

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 atcatttacc aaaggaaatc cgtgaggata tggactgtgg aatcatcaag ggaaatggaa 180
 cagaatctgg acggattatt accaccaaaa agaagggttt gaatgatcaa aaagacaaga 240
 caatctctta cagagctgaa catgtaattg gcaactggctc attcggtggt gtctttcagg 300
 ctaagtgtt anagacggaa gaaaaagtag caataaagaa agtggttacag gacaagagat 360
 acaaaaacag agaacttcag atcatgcgaa tgcttgatca tcctaattgtc gttgagctca 420
 agcattcttt cttttccacg actgagaaag acgagcttta tcttaacctt gttcttgagt 480

atgtacccga gactatttac cgcgcttcca gatnttacac caaag

525

<210> 13047
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F3

<400> 13047

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cgteccgcca agcgtccgag aagatgatct cagagctcat gtccatgtac gacagaaatg 120
tccagagcaa ccaaacctct atggatcatg aaaatcaaag cgtgtcactg cttcaaccca 180
cagtccataa ccatcaagaa catctccagt tcccaggaaa catggtggaa ggaagtttct 240
ttgaagactt gaacatccca aacagagcaa acaacaacaa cagcagcaac aatcaaactg 300
tttttcaagg gaacaacaac aacaacaatg tgtttaagtt cgacactgca gatcacaaca 360
actttgaagc tgcacataac aacaacaata acagtagcgg caacagggtc cagcttgtgt 420
ttgattccac accgttcgac atggcgtcat tcgattacag agatgatatg tcgatgccag 480
gagtngtagg aacgatggat ggatgcagca gangcanccg 520

<210> 13048
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F5

<400> 13048

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tacagcaaac gaacaccaat cccactcccg ccaaattccat cactcgacgt cactactttc 120
attttctcac aagctcatcg tggcgcgtat gccttcacg acgcttccac aggtcaaaac 180
ctcaccttca ccgagctatg gcgtgccgtg gaatccgtcg ccgattgtct ctccgagata 240
gggatccgca aaggccacgt cgtctctctc ctctcccaaa actcaatttt attccccgtc 300
gtttgtctct ccgtcatgtc actaggcgca atcatcacca ccacgaatcc actcaaacact 360

6342 "the 3rd"

tcaaacgaga tcgctaaaca gattaaggat tcaaactnag tcctcgctt caccacatcg 420
cagcttctcc ccgaaaatct 440

<210> 13049
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F6

<400> 13049

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gtgangcgcc ttta 74

<210> 13050
<211> 148
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F8

<400> 13050

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ttttttttt anctttgttt cngcttcgat tcccaaagtt taccctttcg attttggttc 120
tacctantcg agttgactca ntagagtc 148

<210> 13051
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F9

<400> 13051

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aanaaggcgt nggcgatttc tctttctctc ttaaaccggag caacgccttt gaaatcgaat 120
tcgctccaca aatctagact cactccactt catcttcgaa ctatctcttg ttctagacta 180
tcttactctc cctcgngtcg cgaaatttct ntcaaaactc aatctacngt tcctatttcg 240

gccaaccttt cttattcaga gaatttcctc tatatgctgg attcaatggg caataggtct 240
tacaagccta atcctcgttt ggctcgagtg ctggacatcc tcttcatact gcatgctgaa 300
catgaaatga actgctctac tgctgctgct cggcatcttg cctctagtgg tgttgatgtg 360
tacaccgcat gtgctggagc tgttggggcg ctttatggtc cacttcatgg tggcgcgaaac 420
gaagccgtgc ttaagatggt agcagagatt gggactgctg aaaatattcc agatttcatt 480
gaangcgtga agaacanaaa gangaagatg tcagggtttg g 521

<210> 13054
<211> 290
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-G2

<400> 13054
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catcactttc tctcgctcaa ggacggacct ctctccgagt aaccgcagcc agagccactc 180
ccaatntctc caaccgtaaa ctccggtgtcg ccgtctcggg tgggtggacta ncaggngggg 240
canctgcaaa gactntagca caaggaggaa tcgagacgat tcncatcgag 290

<210> 13055
<211> 557
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-G4

<400> 13055
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tcttcttcat ctctggana aataactcaa caaaaacgaa agaangggtc tggtncaaca 180
atcaatgatt cttggattcg aacnggctgg acaataactc cgtcaaatca accaaccctc 240
ccaattcctc caaccaacca accaacgaac caacaaattc cgaaagtccg attcccggcg 300

tttttctcct ccccnngggaa ttaataactc cttcgggtcc ttcctccctt cngggagaat 360
 tctcccgggt ctctccctca agnacgangc aagaacgaat tccccttacc gggaaaaccc 420
 ccaaaaattgc tgaattcgtc aaaattcnag gggtttcaat tgcaggggaan anatggggct 480
 tttcatnagc cccgattctc anatctcaan ctcaagttct acanattcaa cgcaagcttc 540
 tnaatctctc aatgtgt 557

<210> 13056
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-044-Q1-E1-G5
 <400> 13056

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 tgtcagggtc attgatgaat ctgttttctc tctgcttcaa gccattcggg cacgtctgtg 180
 ataattccga agctggatcg ggtgggtggtg gtggcggttc tgggtggaacc ggcggtgaag 240
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 tggctgtgat tcaagccaat caggttcttg aagatcagag ccaggtcgaa tccggttaatt 360
 ttgggacttt tggttggtgt tacgatggtc atgggtggtc tgaagctgct cgttatgtct 420
 gtgatatctc tttaaccatt ttc 443

<210> 13057
 <211> 363
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-G9
 <400> 13057

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 ctctggaaaa attatgatat caaggagctc ctgcttcng gtaaaaggta cacaaatgcc 180

gaagctgatt actcacaaaa tatggggtttg gtgcatatct ctgctggaga ttttgctgaa 240
 gggctgaaat cgcntctggg aagtgaaaat ggaagacgtg ctaaaagaac atatgggaga 300
 aaggacaaat tgggccctga tgaaatantt gtaatgatgg taaaagatct ttatcacaga 360
 cag 363

<210> 13058
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-H1
 <400> 13058

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 cgcggaacgc nccgcccacg cgtccgcgga cgcggtggggc gaaaatgggtg aacattccga 120
 aaactaagaa cacttactgc aagaacaagg agtgcaagaa gcataccttg cacaagggtga 180
 cgcagtataa gaaaggtaaa gatagccttg ctgcccgaagg aaagcgtcgt tatgatcgta 240
 aacaatctgg ttatggagggt cagaccaagc ccgtcttcca caagaaggct aagacaacta 300
 agaagattgt gctgaggctt caatgccaaa gctgcaagca tttctcgcaa cgcccgatta 360
 agagggtgcaa gcactttgag atcggtggag acaagaaggg aaagggaaca tctctctttt 420
 aagttgttgt ttcactctatc tacttttttt tgttttgttt ggtacctgtc ctgcttcaat 480
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<210> 13059
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-E8
 <400> 13059

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 gttatgcact tggttatggc gctggagtag tctcaacag tgggaagacc ggactaattt 180

6346

cttcggttgg gaacttggct gctcctgtgg aagaatggac tgtaggtggg actgctctca 240
cagccttgat ggatgtcgag aggagacacg gtaagttcaa gcctgtgatc aagaaagcaa 300
tgggtggaact tgaaggtgca ccatttaaga aattcgcatc actgcgtgaa gaatgggcat 360
tgaagaaccg atacatcagc ccangtccga ttcaattcac tggacctggt tcaaactctc 420
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<210> 13060
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D12
<400> 13060

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aagacggcgg agtcgccgaa agttcataga gaaagcattg ttttgggtga tgagagagga 180
agtcggagag agtttcgccg ggggaagttta ggagttttgc cggataaatg agaagccgga 240
ctgttgagtt cttccggtgg gtgagcaaaa gctttctgaa atattgcaa tacggtttat 300
ctgggaagaa ctcaaacgan gcaatgtttg tgatcgaagc ttatcgaaca cttcgtgatc 360
gtggtcctta cccagcagat naagttctta gaggtcttga nggaagcttc c 411

<210> 13061
<211> 520
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D3
<400> 13061

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tcttgatac gaggatccat attcgaaagg aaggcacttg tgcgttgagg ctatctctca 180

6347

ctacggtgat tttgtagcca aagttgctga gctctatccc aattacaatg tccccaagtt 240
 accgagagag actcaaccgg gtttacttcg agataagaat gcatcaaaga agctcataga 300
 tttgggggta aagttcattt ccatggagga aatcatcaag gaagggtgtg agagtcttaa 360
 aagcaaagga tttatctctt aatacctacc tctgtaactc tgtttgattg agcaattaac 420
 acaatctcta agcagcanaa acatttcata tgatatacga ttttgcactt ttgtaataaa 480
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<210> 13062
 <211> 371
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-D4
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 tccgccacca tgcataatccg gcgccagatc ttcgttaaat ctctgactg tcaaaaagtc 180
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 ctggaatcgt cgcagcgtat atcgttttcg gnttgctcga ttactccaga tgggaagctt 300
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<210> 13063
 <211> 384
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 atgtggtgat ctgaacagaa atgttcttgc tctgctgca ccttatgtga agaaagacta 180

6349

tctcttttgca caagaaactg ctgacaacat tgcggctctt ctttctcctc aantcagggt 240
tctantnatg atatgttggg ttaaggaaaa gcagttcatg actgctgaac ctccagaggt 300
antnaaggct cnaaanaata actccnatgg aactaatttn gtcnactctc ctgaanccaa 360
tntatggaac caattncttg ccna 384

<210> 13064
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D7

<400> 13064

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gagctgcttg tgtaaaggta gccctgatgc ctttcttggtg tgcaatggat tcaaagatgc 180
tgagtatata tcattggctc tgcttgggag aaaactggcg ttgaatactg tgattgtgct 240
tgagcaagaa gaagagcttg atctggttat tgagctgagc cagaagatga atgtgaggcc 300
tgtcattggg ttaagggcta agctgaggac taagcattcg ggtcatttcg gatcaacttc 360
tggtgaaaag ggtaaatttg gattgactac tactcagatt gttcgtgtgg tgaggaagct 420
gcgtaaatct ggtatgcttg attgtctcca gcttctgcat tttcatattg gttcacagat 480
tccgtcgact tcgttgctc tgatgggtgc gc 512

<210> 13065
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E11

<400> 13065

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tccgccc aaa cgctcagcaa aaaccaatcc cagatctgaa tctcaaccta aacctcagat 120
tcatcatcat ggcttcttct tctaactacg atggaatcct tctcggtatg ggtaaccac 180

tctctgatat ctctgccgtc gtcgacgacg aatttctcac caaatacgac atcaagttga 240
acaatgcgat tctcgcggaa gacaaacatt tgcccatgta tgatgagatg agtagcaagt 300
tcaatgttga atacattgcc ggaggtgcta ctcagaactc aatcaaagtg gctcagtgga 360
tgcttcaa at tcttggggca accagttaca tgggatccat tggaaaggac aaatatggag 420
aggccatgaa gaaggatgct acagcagctg gtgttaatgt tcactattat gaagatgagt 480
cggcacctac tggaacttgt ggtgtctgtg ttgttg 516

<210> 13066
<211> 513
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E12
<400> 13066

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angatcagca acgagcatta gctgcttcct tggaagataa caacatgaaa gagtcttcag 120
atgatcaatc aacaataata cctgaagaag tagcagttga agcagttaca tccgcgggtcc 180
tgccaacatt cccaccactg ccggaagaac caaagggagg cgatcgcagc ctacaatgca 240
gagttgggat ccgtttacct aacggacaaa gactccagag gaatttcctc aaaacagaca 300
caattcagct tctctgggtc attctgctat tcccagcttg aggaatcaag anaggaagaa 360
nccattgaag ctaacacaag cgattccaag gtgaatcana gacattggag tatgaatcta 420
acttaanctt ggancantct ggtgttgcaa ttccatgac tctgctacgt nggaatgaaa 480
tatcatcata tcnataaaat tagctntatg ggg 513

<210> 13067
<211> 510
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E2
<400> 13067

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cggaagnagc catggagata gccgccgtta gcaactgtctc cgtcgcgcca caatcgcgca 120
gagtgtcgaa tgcgttctcc aggaatctag gatccgtatc ttctctttcg tttggtttct 180
ttgagaaaga atattgcttt aagagcccta gccttcgtgt gtctgcagca gcttccatgg 240
acgccgtcac agctgagaaa ttttctccgg cgagttttct agacaaaaaa gaaaccggag 300
ttcttcactt tgtgaaatac catggcctcg gcaatgactt cattttggtc gataacagag 360
actcatcgga acctaagatt actcaagaac aggcggcgaa gctgtgtgat cgaaacttcg 420
gtgttggtgc cgatggagtg atttttgcaa tgccaggagt caatggtact gattacgcat 480
gcggattttc aattcagatg gtantgaacc 510

<210> 13068
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-044-Q1-E1-E3
<400> 13068

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aaaaccatct gagaaatata tccgacgaag gagaagaaac gaaaatgacg gagactggag 120
taatcggatg tggctgtcgc ggagtcaccg gcggcaattt cttccatccc ggaggatttt 180
ctttgaaatc ttgtttcctc gagcagagta caaagcgtaa tcgtaacttt ttccgaagcg 240
tttctatgat tctccttttc aaacgcggtc gtttcatcac taagttgcgt tccgtcgccg 300
ggaacagccg aatcttttagc atggatgctc gagagaaatc acgatcgttt gtgttggtat 360
catcaaggca caagagagtt ccagtttttg tgatgatgcc gattgataca tttggaattg 420
atgcttctgg gtgtccaaag attaaaaggg 450

<210> 13069
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E4
<400> 13069

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gatggagatc aacttatcgt tactccgtta ggagccggaa gtgaagtggg tcgttcctgt 120
 gtttacatgt ccttccgagg caaaaatatt ctgtttgatt gtgggattca tcctgcgtac 180
 tcgggcatgg ctgcgttgcc ttacttcgat gagattgac cttcttccat tgatgtcctc 240
 ttgattactc actttcatat agatnatgca gcatctctac ctttaatttct gggagaaaga 300
 cgacattcaa tggggcggtt ttcatgacac atgcaacaaa ggncatctac aaactgttgc 360
 ctacaaatta atgttaaagt gagcaaagtg tcngtgggaa aaaagttggg ccnatgaacc 420
 anaaatncac aagtccaagg ggcaaaatt 449

<210> 13070
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-044-Q1-E1-E5
 <400> 13070

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 tggatcaaaa tgaagggtgtg ctaaagcatt ctgctagcgt tcaaagagga agagaatttg 180
 gaactaatct ttggtttgat cttgttgata aaccgaatga atgggtgtgat taccgtgaaa 240
 tgaaacagaa tggatcggtt aatcctaaac accctgattt caagaagaaa gacgggagtc 300
 aagcgctttg gcttaacaat gctcctacag agatattgtc cgagctcaaa gacgtgaagt 360
 ttgatattcc aaaatacgca aaacaaccaa aggccggaga ggaatcatgg aaggacttgg 420
 tacataacat gaataagtgg tggg 444

<210> 13071
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-E6
 <400> 13071

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tggaggttct tccaaccgat gtcaacttgt catctctcga aaccctcgat ctcaagtgggt 180
gctcaagttt gagaactttt cctctgattt caaagagtat caaatggctc tatctggaaa 240
acaccgcat tgaagaaatt ctagatcttt caaaggccac caagctcgag tctttgatac 300
tcaacaactg caaaagtttg gtgacacttc cttctacaat tgggaatctt caaaatttga 360
gacgtttgta catgaaaaga tgcacanggc tggaggttct tcaaaccgat gtcaacttgt 420
catctcg 427

<210> 13074
<211> 134
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A4
<400> 13074

tggggaagaa naaaaangaa tgtcctggcc tttggctctt cccgggggtgg gtccaancct 60
ggtttggccc aatgggtngg cctgggaaag gtttggttgg gttgggggtgg ggtngcctgg 120
cttttccggg nggg 134

<210> 13075
<211> 388
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A8
<400> 13075

ggaagnancc gggcgccacc tccngaacca tacaagnatn tggaggcaat ggtgaaaant 60
ccagtaagcc catggtatag tanggcaatt gaataaaatg gctgggtttt gtcctgatg 120
aggaaataga acttttttgag ggaaataaag ntttgaacct ttgccgtaaa tgggtgtgaac 180
aagaattgat aaagaaagaa cntcctttca aaggctggtg tccaaatttg aagaatggga 240
gaataaccat ttgntaatc naaaaacctc ctccnaacc aaggagaatt ggaattccan 300
taccananaa gtggcaacca ttttggngt aangttcaaa atcccaaac ccggggcct 360
ttttccaca cctggggnaa aaccncaa 388

<210> 13076
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-B10
 <400> 13076

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 tggaggagaa atcaaaagcc gagaaagctc cggcggagaa gaaacnanan gccggaaaga 180
 agtccccgaa ggaagctggt gccggaggcg acaagaagaa aaagatgnnn aataanagtg 240
 tcgagactta caagatctac atcttcaagg tgcttaagca agttcatccc gatatcggaa 300
 tctccagcaa agcgatgggg atcatgaaca gtttcattaa cgatatcttc gagaagcttg 360
 ctcaagaggc gtccaanctt gcgaagtnca ataagaaacc tacnatnact tctcgggaga 420
 ttcaaactgc tgttagattg gtt 443

<210> 13077
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-B11
 <400> 13077

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 cgcntccgcc aaaacacaac aagaacagaa ctgagccatg gcttcttctt cttcttctct 120
 tctaattcta gccgttgctt gtttcgtctc gctaattctca ccggcgattt cacaacaggc 180
 ttgcaaatac cagaacttga actccgccgg tccgttcgat agttgcgaag accttccggt 240
 actcaattcc tanctccatt acacctaaa ttctcaaata tcatctctct ccgtcgcttt 300
 cgtcgccact ccatctcaag ccaacgggtg ctgggtcgct tgggctatta accctacggg 360
 gactaagatg gctgggtctc aagccttctt cgcttacaga tccggcggtg gtgcggctcc 420
 ggtcgtgaag acgtacaaca ttagcagcta cagcagctc gtcgaangta aacttgcttt 480

atttgtctgg tggtagacca ncttt

445

<210> 13080
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-B8
 <400> 13080

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 caaaaaatgg aagttacatc aactattaca tgtaccatgg tggaacaaac tttggaagga 120
 cttcatcttc gtatttcatt acaggatact atgatcaagc tcctctcgac gaatacgggc 180
 ttttaagaca gcctaagtac ggtcatttga aggagcttca cgctgcgata aaatcctctg 240
 caaatcctct gcttcaagga aagcaaacga ttctctcctt gggaccaatg caacaagctt 300
 atgtctttga agacgcgaac aatggatgag ttgcgtttct ggtaaacaat gacgctaaag 360
 ccagtcaa atacaattcaga aacaatgcgt atagcttgag tccaagtcaa ttggtattct 420
 tcagaactgc aa 432

<210> 13081
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-C10
 <400> 13081

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 agtggctatt caagcaaggg aagatagctg aagcagaagc tgagtttgag aggctgcttg 180
 gagggctctca tgtgaaaaca gcaatggcag aattatacaa actagatcta gacaagacgg 240
 atgaaccaga tgttgtgagc ctctctgagc tgttatatgg tcggcattca agaggtatgt 300
 agaactcttt gcttttgtcc cgcggaagga actgcaaaca tgtatgttga ttgttgtgtc 360
 tatttgtttc ctgtatagta ctttgttatt cacttgttcc ttttgcagtt gtttttattg 420

gatnaaccct gtttgctttg caacagctat ctggtataaa tgctgttttt tatttctctt 480
ctaccgtatt caaaagtgtc ggaagtacca tccgacct 518

<210> 13082
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C3

<400> 13082

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atttcccaa atttggtaat acgatttcgt caatttactt cgcaatcgat tcaattcaat 120
tatgtctcta ttactggaag agatcattag atcagtagag gctttgctga agctcagaaa 180
tcggaatcag gaaccctatg ttgaccgaa tctaaaccg gttcttctag ttccaggaat 240
cgctggatca attctaaacg ccgttgatca tgagaacggg aacgaagaac gtgtttgggt 300
tangatcttt gggtgctgat catgaagttt cngaacaaag atgtggtctc gatttgattc 360
ttcaactggg taaaacgata tcctcttgga tccaaaaaac gaagtaattg gttgggtcct 420
caaagacaag agctggggct acatgcaatt ganngtctta gaacc 465

<210> 13083
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C4

<400> 13083

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gaagagagaa aataagaaga aagatggtag gaagcanaga aaaatcgaaa gagaaacgag 120
ataagagact ccaagagatn tcctccttc gtactattcc ctattctgat caccagaggt 180
ggtagggacct ctgaaaccgt ggcgggtgga acangtgcca atagaggaat aggatctgag 240
atggtagagac aattggctgg acatggacta acagttattc taacatcaag aagacgaaaa 300
tgtaggcgtc gaaaccgcca aagatncttc aagaangntg gattcatgtt tgaattccac 360

cggnctccaa natccttggg actccttccc tcaatccaaa aaanttttnc nnaaanggg 420
 ttanagnaan aatttgggat ttantgggng gttttaaata na 462

<210> 13084
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-C5
 <400> 13084

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 gtccgttcga tagttgcgaa gaccttccgg tactcaattc ctacctccat tacacctaca 180
 attcctcaaa ttcactctct tccgtcgttt tcgtcgccac tccactctca gccaacgggtg 240
 gctgggtcgc ttgggctatt aaccctacgg ggactaagat ggctgggttct caagccttcc 300
 tcgcttacag atncggcggt ggtgcggctc cggtcgtgaa gacgtacaac attangcagc 360
 tacagcagtc tcgtccaang taaacttgct ttgattttgg gaatctacgc g 411

<210> 13085
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-C6
 <400> 13085

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 atgatggcca gggtgttgcc ataaaacgag caaaaagga acactttgag aatctgcgaa 120
 cggagtttaa aagtgaagtt gaccttttgt ctaaaattgg ccaccggaac ctagtgaagc 180
 ttcttgggta tgttgacaaa ngagacgagc gacttatcat aactgagtat gtcagaaatg 240
 gtacactccg cgatcacttg gacgggtgctc gtggaacnaa acttaatttc aatcaaaggt 300
 ngganattgt tattgatgct tgccatggct tancctatct ccantcttat gcagaangac 360
 agataattca ccgtgacata aaaccgtcna acattctact cacanatata tganagccaa 420

annaccagac ttcggctttg cg 442

<210> 13086
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-044-Q1-E1-C7
 <400> 13086

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 gttttccgat gacgatcaaa gatgagtcgg agagttgcgg tagcagagcc gtcgttgctt 180
 cgccgtcaca agaaaaccct agacattacc ggatgaaact tgatgtctat agtgagggtt 240
 tacagcgact tcaagaatct aattacgaag aagccactct tcctgatttc gaggatcaac 300
 tttgggtcca tttcaatcgt ctctctgctc gatatgctct tgatgttaaa gtcgagagag 360
 cggaagatgt tctcacacat cagagattgc taaaattggc tgcagatcct gctactaggc 420
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<210> 13087
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-C9
 <400> 13087

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 cgctcgcaat tctctcgtct ccattttaat agtttttctt ctcggaatca caaatcttcg 180
 gcttcttggt ccttggcgtg tgtgtgtggt gttgaatggc tcttggttcag cggattccaa 240
 tttctctctc cagtattcgg aattggcaac aagcgaggac caatttgact cctatttggt 300
 gtttacatta caatactgca tcttcttctt cttcaccctt tacagagaag cactctgtgg 360
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443

<210> 13088
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A3

<400> 13088

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atagatgttg agatctcaga agatgacaag agattaacaa agctttgctc tctaaagaag 180
aaggctataa atgcgacgaa caagtttaag cactcaatga ccaagaaagg tcgaaggcat 240
agccgtgtgg cgtgtgtctc aatcgctgat gaaatcgata cagaagagtt gcaagcgggt 300
gatgctttcc gtcaagctct tatttttagac gaactacttc cctctaagca tgatgatcat 360
cacatgatgc ttaggttctt gagggcaaga aagtttgatc tcgaaaaggc taagcaaagt 420
tggtctgata tgcttaactg gaggaagaa tatggcgag acacgatnat ggaggacttt 480
gatttcaaag aaatccgaag aagtgggtta gtnttatcc 519

<210> 13089
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-A12

<400> 13089

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ggtttacgtc gatgtagctg gggaaatcgaa gtcggagcat gttactggga agtggttttc 180
ggtgccggag ctccgactgc gtgaccaccg gttcatagtt cctcttgatt attccaaaag 240
ttctcccaaa attaccgtct ttgctcgaga gatcgttgcy gttgggaaag aggagcaagc 300
aatgccgtat ttattgtatt tgcaagggtg tccaggattt gaaggtccaa ggcctagtga 360

agctagtggg atggattcaa agagcttgtg aagagttcga gtggctctac tcgatnaacg 420
 angaacaggc ttgtccactc ctttaa 446

<210> 13090
 <211> 543
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A2
 <400> 13090

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 aagatgataa cctgtttgag cactttctcaa ccgttgccca gaggctcggg gtctacactg 180
 ccaaggacta tgctgatatt ctggagtttc ttgttgaacg gtggaatgtg gagactttga 240
 cagacctttc tagtgaagga cacagggccc aggactttgt ctgaggacta cctgcaagaa 300
 tccgtaaaat tgaagagaga gctcaaggaa gagccaaaga agctgccaaa aacataccat 360
 tcaagctggg atatttggtc gaaatatcan ggcttaagaa gtttactaca caattctctt 420
 tccaattatc ccaagtaagt cataaaggtc ntcaacaacc atttcaccaa tgaagggacc 480
 agtttttaag accacgaaaa gttcatttga atgtgtttgt ttatacnga acattgggtga 540
 taa 543

<210> 13091
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A3
 <400> 13091

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 tgctgcttcg aatttctggt aacaatctga gacctttgag accacaattt ctgctcttc 180
 gaagctcttg gttatcaact tcgccggagc aatctactca accacaaatg cctccgagag 240

taccaaactct tattggaggt tcttttgttg agtctcaatc atcttcgttt atcgatgtta 300
 taaaccctgc tacacaagag gttgtatcta aagttccatt gactactaat gaagagttaa 360
 aagctgcggt atccgctgcy aagcaancgt ttccgttgtg gagaaacacg ccgattacta 420
 nccggcagcy tggtatgcta aagtttcang agcttatacg caanaatatg gataaacttg 480
 ctatgaacat cacaaccgaa gcaaagggaa gact 514

<210> 13092
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A4
 <400> 13092

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 tgcttatcac tacaactttc cacaaaacga cgtcgtcgaa gaatgcttca actttttcat 180
 ggatgaagaa gacctttcct cttcttcttc tcagcacaan catcanaacc acaacaatcc 240
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 ccntcntcaa nggccgcagc cgcagcttag cctcgcnta atcctcctcn ggcaacataa 360
 ttnacccttc gggntctcca atagtgaaaa ctccncgttc cttcgacttc tcagcaatgg 420
 ccaagttggg aagactcggg ccttcttgaa ncggnaantg gccttctcct g 471

<210> 13093
 <211> 538
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A5
 <400> 13093

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 cacgcgtcna aggtaaaaag gagcatctgg gttctctgct cgttccacag ctgaagaagt 120
 cactcatgga atcgatggta ctggtctcac tgctatcgct acaggagcat caagtggat 180

tggggaagag actactcgtg ttcttgctct tegtgggtgtt catgttgtaa tggcggtaag 240
 gaatacagat tctggtaatc aagtcagaga taagatactt aaggaaatac ctcaggctaa 300
 gattgatgta atgaagttgg atcttagctc tatggcttct gtcaggagct ttgcatcaga 360
 gtatcagtct ttggaccttc ccttgaatct tctcatcaat aatgcgggga ttatggcatg 420
 tcccttcttg ctttctancg acaacattga attacagttt gcaaccaatc atttgggtca 480
 ttttctgttg acaaaacctt cttttggaga aggatgaaga aaacagctaa tgaaagca 538

<210> 13094
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A9
 <400> 13094

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 ccacgcgtcc gatttagaat cttgaaaagg actctggttt attcagaaac ccaagaaaca 120
 acaaggctgg gaagtttctt acattatccg agttcttggt tcttccaaac cgttacagct 180
 ctctcttagg cctcttgata gaagtggaga atgcagctta tttagtggaa catcaaggaa 240
 ttagcgtggt cgatgcggta ctagatgaat tgaagagagc tactactcaa caaaacaaga 300
 caagtgcaag aacaatactg atccagtcta ctgataagtc tgtcttgatg aagttcaagg 360
 agaagaacaa aatgaatcat gacgagctgg tctatagagt cgacgacaac atccgtgatg 420
 tagcagattc ggcgatcaaa gacatcaaga atttcgcagg ctcgattgtc atcagtaaga 480
 aatcagctctt tcttacaag ggtaaacatc cttgaaaang 520

<210> 13095
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-B1
 <400> 13095

ggngnnntga atggtntctc nggnccggnc ntaccggana tcanaaggtc gacccnngcg 60

tccgtctcac tgnangccat attcaaagca gtttccacac atttaatgtg aacacgtttt 120
 ctactacca acaaaaaaaaa aaactcaaa tcggaaaaaa aaatgtcggg tcacggacga 180
 tttccggcga gtccaccgat ttcattatct ccgtcgtctt cttccacatc tccgtcttca 240
 cagtcaccgt caacaccacc tgatctaaag caacgagtca tcgcttgtct caacaagctc 300
 gctgatcgtg acacttttagc tctcgtttcc gctgagcttg actcaatcgc tagaaacctt 360
 actcacgatt ccttctctcc gtttcttaac tgtatccaca aactgactc ttccgttaaa 420
 tctcccgtg aggaacaggt gcgttgctct tttaacggtt ctttctcgtt accacggaga 480
 ttctctaaca ctacacttgc taagatggtt caactgtaat cccgtctccg ag 532

<210> 13096
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-B10
 <400> 13096

cttctctctc tctgaagcga tgtcatcgac gtttcgagct ccggcgggag ccgctactgt 60
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 tgtttttctta ggaagatatg gacgcggcgg cgtcccgggt cctccttccg cttcttcgtc 180
 gagtctctcg cctattcaag ccgtctccac tcctgcgaag cctgagactg cgaccaagcg 240
 gagcaaagtc gaaattatca aggagaagag taatttcata aggtatcctt tgaacgagga 300
 gcttttaaca gaggtccaa atgtcaacga agtcancgt gcagcttatc aagttccacg 360
 gtagctacca acagtacaac agagaanaac gtggtggaag atcttactcc ttcattgctc 420
 gaactaagaa tccatctggg aa 442

<210> 13097
 <211> 530
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-B11
 <400> 13097

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 cgggtngacc cacgcgtccg caaaagttac aaaaggagag tatgtcaaag gtttcatatg 120
 caccgttgct gcgtctgctg gttatggctt agtcttatcc ctacaacagc tagcctttct 180
 aaaagtctta aagaagcaaa atttctcaga agttatggat atgataatct acgtgagtct 240
 agtggccagt tgtgttagcg tgggtgggct ttttgctagc agtgagtgga aaactttgag 300
 cagtgaaatg gataactaca aacatgggaa ggtatcctac attatgaacc tagtgtggac 360
 agctgttacc tggcaggtat tctccatcgg tggcacagga ctgatcttcg agctctcttc 420
 tctattctca aatgcaataa gcgttttggg actcccagtg gttcctatct tggctgtaat 480
 cattttccat gacaaaatga atgggttaaa ggtgatttct atgacccatg 530

<210> 13098
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-B5
 <400> 13098

atggaaagtt tccgctgaaa gctgttaacg taatgcatac tgtggcgttg agaaccgagg 60
 caagtctacc tgtcagaacc tcggcatccc gtaccactgc ttacaagggc cacatgggccc 120
 aaatgtttgc ttttcatgct tctataatgg caaatacact ganctcaccg ctaattgtat 180
 ttacgagaac cggatccatg gcagtgcttc naagccacta ccgccccatct gcaacanttt 240
 tcgccttcac aaaccanana agaataatgc aaaggcttgc tctttatcaa ggtgtcatgc 300
 ctatatatat ggagttctcg gatgatgcag aagatacata ngcccgggtct ctcaaactcn 360
 tacaggacga gaatatgcca agganggaca acatgtanct cttgtccaaa gtggctcgca 420
 aaccaattgg ccgtgaanaa tcaaccatc tcatg 455

<210> 13099
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-043-Q1-E1-B6
 <400> 13099

gatcaaatga tgcttggtcg atctgtatctt cgatctcagt tgcgaccctc tgtctcgggt 60
 ggtctgcaat ctgcttcttg ctattcttca ttatctgctg cttcagctga agctgagagg 120
 actatcagag aagggtcccag aaacgattgg agtagagatg aaatcaagtc tgtttatgat 180
 tctcctcttc ttgacctcct cttccatgga gctcagggtc atagacatgt tcataacttc 240
 agggagggtac aacaatgtac cctcctctcc ataaagactg gtggctgtag tgaagactgt 300
 tcatattgtc ctcagtcctc gagatatagc actgggagtt aaggcacaaa gactcatgtc 360
 taaggaccct gtcattgatg ccggctaaga aggcaaaaga agctgggaac aacacttttt 420
 gcatgggtcc tgctggcaag atacaattgg acggaaaaca a 461

<210> 13100
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-B8

<400> 13100

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 gtctgggggt gatgagacat cagaatctgg agcttttgta agaacagcat caacattccg 120
 caactttggt tcacaagatc ctgattctca gtttccagct gaatcaggaa gataccatct 180
 ttacatatct tatgcttggt catgggcttg tagatgtctt tcttacttaa agatcaaagg 240
 acttgatgaa gcaatcacct tctcgctcgg tcatgccatt tggggaagaa ccaaggaaac 300
 tgatgatcat agaggatggg ttttcccgga ttcggatacc gagctccctg gagctgagcc 360
 tgactatctt aatggtgcc aagttgtga gagaactcta cgannattgg ctagcccaaa 420
 ctatgaaggg aaattcactg gttcctgggt ctttgggana 460

<210> 13101
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A11

<400> 13101

nnnnganngn ttgantgnnn gcttggnncn aaangtcncc anagcccggg tcgncccacg 60
 cntccgcgga agcgtgggta aaaaacaaaa aataaaaaaa tccttcaa at ctttctttta 120
 catatctgac aaaacaatgg ctagatttcc tatagcaata tgtcta atgt taatactagt 180
 agcatcaagt accatatatg aagcgcaagg tgtattctta ttaaggcatt acatgaataa 240
 atttcctaaa aattcccaag actttgagcc ttttgcttac aaaggatatgc ttagttttgt 300
 ggataacctt gagaatatgg ctccggaaaa aggagagtac aaggatttct tctcaaagct 360
 gaaagctttc atgtccttca taaacacggc aaaagggtcg tcttcagagt tccagtctca 420
 aatgaaacaa caagctgagg gcctcttcaa ggctatctct gcattgggtg tcaaaggagg 480
 atcatcggct gatacgaagc aaattgatcg anagtttg 518

<210> 13102
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G4
 <400> 13102

aaaaannntc cctngctngg nttttcagga taancngana tctatcngta naagaagcag 60
 atacagaatt cagaaacgat gaccgacgtc gatgaatccg ttagacgccg tacagccgcc 120
 gtttccgagt accggaaaaa gctcctccaa cataaggaac tcgaatcccg tgttcgaaca 180
 gctagggaga acttaagagg agntaaaaag gaattcanca agaccgagga tgatctcaaa 240
 gtctcntcaa agtgttgggg caaatattatt gggggaaatg ctttcgaccc cctgggataa 300
 atgaaangat tgattgtgaa aagcgagcaa gtggtccaac gttatgtngg tgggggttgcc 360
 cgaaagcaan agtgggataa aggaaaagcc taanctcccg gnactcnaag ttggttctcc 420
 gatatgacaa cacctaaaca anttatgccg a 451

<210> 13103
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-042-Q1-E1-G5

<400> 13103
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 tgtagctgct ctagtgatca acttcgtggc tgcagtttca gctggagacg ttcctttgac 180
 agcgggttcag ttactgtggg ttaatctgat catggacaca ctcggtgcat tggcttttagc 240
 tacagagaag ccaacaaacg atcttatgaa gaagaaaccg ataggagagag tggcgccatt 300
 gatcaciaaac atcatgtgga ggaatctact agctcaagcg tttaccaaa tctctgtgct 360
 cttggtgctt cagtttagag gaagatcgat ttcaacgtga ctgagaaagt gaagaacact 420
 tgatctcaat acattgg 437

<210> 13104
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-042-Q1-E1-G6

<400> 13104
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 aagaatttcg atatcaatct agacgcttac aacgggttaca gcaagctcta tttgagtgtg 120
 atgttcgctg tgctctatgg actcagcttt gggtctcttt gcgctaccat ctctcatggt 180
 gccctctatg atggaaagtt tatatgggga atgtggaaga aggcaaagac agcaacaaag 240
 gacaagtacg gtgacgtgca ttcgagattg atgaagaaga attatcaatc agtacctcaa 300
 tgggtggttca tcgcagttct aagttatttc ctttgctttc gcactctatg cttgcaagg 360
 gctttgacaa acagcttcag ctcccatggg ggggacttat actcgcttgc gccatcgctt 420
 ttgttcctca cattacctaa cggagttat ccaagcaact aac 463

<210> 13105
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G7

<400> 13105

gaanataatg ctggtgtcat tgtcaatccc aagggtgaaa tgaaaggatc tgctaacact 420
 ggaccaatcg ggaaaggant gtgctgatnc tgtggccaag aaatcncaan tntgcaaac 480
 gccaacntt taancaannc ttganatccc aangttttgn gttgg 525

<210> 13108
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-H11
 <400> 13108

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 gtttactctc ttcacttttt ctctcaaatg caaacgctaa gccaaaacta ggcttcaccg 120
 cggatctaata ccaccgtgat tctcctaaat cgccgttcta taaccgatg gaaacctctt 180
 cccagcgtct acgaaacgcg atccaccgat ccgttaaccg tgttttccat ttcactgaaa 240
 aggataacac accacaacca cagattgacc tcacctcaaa tagcggtgaa tatctcatga 300
 acgtatccat tggaacacct cctttcccga tcatggncat cgccgacacc ggaagtgatc 360
 tcctctggac gcagtgcgca ccatgcgatg attgttacac tcaagttgat ctctctttga 420
 ccctaaaacg tcttcnnata naaa 444

<210> 13109
 <211> 508
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-H12
 <400> 13109

ncctgggctt tccgggnccg aaanntcngg ttatcccggg cngacncacg catcctgagn 60
 aggaggaaga agacnaagaa gaagaggagc agctactacc atggttctca agacggagct 120
 ttgtcgtttc agtggacaga agatttacc aggaagagga attaggttta tccgatctga 180
 ttctcaggtt ttcttgtttc ttaactcaaa atgtaagagg tacttccata acaagttgaa 240
 gccatccaag cttgcatgga ctgccatgta cagaaagcaa cacaagaagg atgcagcaca 300

agaggctgtg aagacaatga gacgtgccaa cangaagcca tactcaangt ccattgttgg 360
 tgctaccttn gtactnattc agnataaaga gaactgagaa anctgaattt cntgatgcaa 420
 gncanggaaa ctgctctgcc tgagatnaag gaaaagatca ctgagaccac agattgcnaa 480
 nangctanna aggtggattt tgcttcna 508

<210> 13110
 <211> 538
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-H3
 <400> 13110

ggnnnnngac ggtttccggn ncacgggtccg ganaccgggt cgaccacgcg tccgncaaaa 60
 canaattaca canatgggaa ctaataagat tcccaaaacc ctcaacggga accttgttct 120
 tatacttata atcaccataa tgatggtgac tcaactccat ggatttcaac tggagatcag 180
 gaacgagcta tcaggaaggt acaggaagct tgtgtacaaa tgctgggtccc gcgataacga 240
 tttcgggtgg cgacagaact ggccaggcca gtacaaggac tggtccttcg ccatttcact 300
 attccacacc tacttctact gccacttccg tacagcgtat gngacgcgtg gataagcagc 360
 tagtagccgt catgggagtt aaaacaagag tgtggggaca ggaganaatg cacttgggggt 420
 cgttaaagaa aggacgggac tctacttgag acaattggaa gaccaaantt ttttagtaac 480
 aangtatggt aacgaaaagg tggaatgtgn aaaattgaac ntgaatgtcc ncangaaa 538

<210> 13111
 <211> 309
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-H4
 <400> 13111

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 gcatcgaact acctaccacc tatecttctc agttaattca cgggcgatgt tacgctcgat 120
 gatgagttcc ggggcctgtg tttcgtacct aatttgaang aattgttgag ttcgggttac 180

ctaccgcaag anggaactat agaggacggt ccacgtttgg tgtaaacaca cgctacacan 360
acgaacngan gaaggggtcn tgggagcttt ggaagtggna tangangnta nngccgggcc 420
ganttcacgg ntatcggtant ntaaggggaa acattccggc gngg 464

<210> 13114
<211> 259
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H8
<400> 13114

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aagtcaaaac tctaataccct cttctttggt ccccggtgaa gaagacagca catacctcaa 120
tttagttttt gttttgtctt tgctctgtca caaaatcaaa aacttttctt ctgtctttca 180
aaaatagtgg gaattgatag gttatagctc gaaatgcntc gtgtttttgc cntaaaantg 240
gngngaanaa gtgggcaaa 259

<210> 13115
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H9
<400> 13115

naaccttcta aggtttaagc cttctcgtt agatttagct ttgatgttta aaaatctttt 60
caaagttgta acctttcgaa tcttctgaag aaacccatgt ccatgaatgg tcagagaagc 120
tcttcaattt ctttctcgcc tgagaaaatc ctggaatctc ccagacccat tcacctgcaa 180
caagcatatt catcagctaa tcaattccaa ttgcggcatt ctatctctca aattcttagc 240
ttacttagtc tccagagggt acaactctca tcgttcttca ttcaattcgg tcgtancgtt 300
tgtttgtaaa ctagggcaag ttaaattcgc tgangatatc gttcactcga tgcctaaatt 360
cgggtgtgaa ccaagatggt anatcttana actctctcat tgatgggcat ttgtngaaat 420
ggnatatca nnantgcnaa tttgggtttt anagag 456

<210> 13116
 <211> 191
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A10

 <400> 13116

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 tccgcccttc gatatgtctg tggagacggc gcttantgtt ctcggagtct ccgnaggagc 120
 ttnccttcgac gaaattcttc gtgccatnga aatcgattct ggcttctcgt aaggatganc 180
 ccaaacgcta t 191

<210> 13117
 <211> 533
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G3

 <400> 13117

ggntgnngaa tggctctctgg gnccacggtc cggatnaccg ggtcgnccca cgcgtccgac 60
 anaaacagct cttgacgtta cctgaaaatg gtgaacttcc tgatgatatt gagtatgang 120
 ttgatcttaa ggtgacattt gcaaaccata ggcttaagag agcgtatatt gctctccang 180
 cctgnaaaaa ngcgggtgtat tcanacncgt ttaacaccac aggaaactgg catggccctc 240
 atgtgtgtgg ctatacgggt gtgttctgtg ccccggtctt tgatgacccg gacgtcgcgg 300
 ttgtggcggg gggtgatttg aatgggtgcgg atatcgagg gcatttaccg gctgaacttg 360
 gtttgatgac angatgttgc gatgtttcat ttgaattcaa accggttctg tggatcata 420
 cctaagagtt tcgagaagtt gagcctaata cangactttg atgtcagcaa caancngtt 480
 tgtcngancn ttcccttcng ttgtcctccc ntngnccggc tgttaagttc ant 533

<210> 13118
 <211> 347
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-D10

 <400> 13118

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 ttctctttat ctcttctctt tgctctatcn aatgcctctg ttcaagattt ctgtgtcgca 120
 aanctgaatc gcgctgaaac ccctgcggtt tacccttgca ttcgtcccat tcatgtcaaa 180
 gctacagact ttgtcttctc tggcttaggc nntcctggaa aactacaag catcancanc 240
 gccgctgtca caccgcgctt tcgcagctca gttcccggtt ctgaacgggt taggnctctc 300
 tacagcnana cntgacttaa ctctaaagg tgtgattcca angcaca 347

<210> 13119
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-D2

 <400> 13119

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 aaaaaagggt aggctttatt gattactagc cagctcaatt ttctttcttt ctttctttct 120
 ttctctggga gtttgggatt ttcttaaggg tctttttcaa ttctcgctcc attttgtacg 180
 catagaactg gggttgtgtt tacacacata aagctcttat cttttttctt cnttcaatc 240
 gaagaagatt atagagcctg agtgactgga antggtnngn ttccttggag gttttaatgg 300
 ggaagggtgt ttcangcaaa nccgattaaa ncanatattg cttccantac atgggctaan 360
 ttcgaaattc ttgaagtaga gatggnagca agggctcgtc gaccgcttcc ttcctaaaa 420
 ngcccc 426

<210> 13120
 <211> 70
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-D7

<400> 13120
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 gtnaactaac 70

<210> 13121
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-E1

<400> 13121
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 tcagaacatt ccatcttttt ctcttcttct tcttcttcac attcactacn accctgacgt 120
 caccatctca gatcgagac tgtacaatgt gcacttcttg tgacaaccct tgtcaaccaa 180
 acccttctcc tctcctcca ccgtaaaatc catctctctc tcttccatct cccaccacca 240
 ccgcctgtcc tccacctcct agctccagtg gtggtggtcc ttactactaa ntacctcct 300
 gcttctcaat ctggctctta ncgtccacca ccttcttctc ccagtgggtg ctactactat 360
 ccacctcta aaagtggagg aaactaccct tatacancgc ctcaaagcc tatcgttcca 420
 tattttcggt tacagtacaa cctccgccgc naatctggtt atg 463

<210> 13122
 <211> 102
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-E10

<400> 13122
 ttgaaggaat tgtcttccct ggattctgat tctctcaata acctcaghnnc cgtatacgg 60
 ctgatntttc gtttcaaag gcatggcngg ggaaaaggnt ga 102

<210> 13123
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-E8

<400> 13123

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 ggaatatgtt gctttgcatg cgttttccca gcttaacca cagatgcaaa atgcaattct 180
 caagcctagc ccagagcagt ttcctaatta cggggagcag actcctacag tgcccgattg 240
 tttcactccg agctttgctg gccatttaca cagaagcttt aatgctcctc agttggcagc 300
 aattcactgg gccgcaatgc atactgcaac tggtaacaag caagtggggg taaagaagcn 360
 agatncaatn ggcaattact cctgggtcaag gggcctccaa gaacangcaa gacacncc 420
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<210> 13124
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-F1

<400> 13124

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 tgctaacgaa gaagctaaca aaaaggagga gcataagaag aagaaagtag ttgtgcttgg 180
 gactgggttg gctgggtataa gtttccttaa agatctcgac ataacttcct acgatgttca 240
 ggttgtgtct ccccgagaact actttgcctt tacgccattg ttacctagcg tcacttgtgg 300
 aactgttgaa gctagaagca ttgtggagtc tgtccgtaat ataaccaaga agaaaaatgg 360
 ggaaattgaa ttgtgggaag cagattgttt taagattgat catgttaatc anaaagttca 420
 ctggtccgac cagtttcaan ggatgattct gaac 454

<210> 13125
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-F11

<400> 13125

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gagaagaatc aagtatcgaa ttggatttcc ctgttggtcc aacatatgaa gtcaactaca 120
ttgatgatga tctctctttg ttctccaaag ccttgaatgg agctaccatt cttgatgtca 180
aagccacaaa gaaagacctc ctcgttgtgc tttcatcttg ggaagctgtt attgatttga 240
agccaagatt agatgagata tcgaaatgcc cttgtgaagg aatgatgggtg actgccgctg 300
cttctgatgg atctacttat gattttctgta gtcgctactt tgccccgaga ttcggaatca 360
atgaggaccc tgttactggg aagtgtcat tgtgtcttag ctcattactg ggagcctcan 420
gatgaacaag tgtgaattcc tcgcctaaca ag 452

<210> 13126
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-F2

<400> 13126

gggnnnnnng gaanggtttt cctggngcca cggtcggan naccgggtcg agccacgcgt 60
ncgcgttnnaa atgaattgaa cagtcagcat cgttttgctt gcttgtgcgt ttctctcgaa 120
ctctctccat gggctgttgc gctccaattc agccgattat gcgttcgacc ggatactttc 180
gtgcggggaga atcatctctc tggatccgga tctctccgcc gccggaaagc tttatcagtc 240
cgggtgctcg ctggcgatga gaacgtcct tcgccatcgg tggatgatga ctccgatttc 300
gacgccaaagg tgttccgtaa gaacttgacg agaagcgata attacaatcg taaagggttc 360
ggtcataagg aggagacact caagctcatg aatcgagagt acaccagtga tatattggag 420
aactgaaaa caaatgggta tacttattct tggggagatg ttactgtgaa actcgctaaa 480
gcatatgggt tttgctgngg tgttgaagcg tgctgttcaa aantgcntaa ngaagcacc 539

<210> 13127
<211> 532
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-042-Q1-E1-F4

<400> 13127

ggnnnnnnga atggtttctg gnnacaggtc cgganaccgg gtcgagccna gcgttcggct 60

tnnacttnna tttnaaatac ccttttctc nctttctcca aatctctgaa aattttcacc 120

agaatctctg ttcttttttt caccagaatc tctctgttta aaataatagg tgatgatgat 180

ggatgagttt atggatctta gaccagtga gacacagag cacaagactg ttatcagaaa 240

gtacactaaa aagtcgtcta tggagaggaa gaccagtgtt cgtgactcgg ccagggttgg 300

tgggtctca atgacggatc gtgacgccac tgattcatca agcgacgagg aagagtttct 360

gttcctcga agacgtgtca agagattgat taacgagatc agagtcgagc ctagcagctc 420

ttccaccggc gacgtctcgg cttctccgac gaaggaccgg aaaagaatca acgttgattc 480

tacggttcaa aagccctctg tttcccgcc aaaachagaa gaagttaccg cg 532

<210> 13128

<211> 300

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-042-Q1-E1-F5

<400> 13128

gttgaaggaa ncagcgaacg cattattgag actattnant ctgagaagga agantggag 60

gcancactga acaaagagag gatgcagact ctccaactaa ggcaagagtt agganaagca 120

naattacgaa acacagattt gtacaangaa cttcaatctg ttcgtggcca acttgcagcc 180

gaacaatcaa ggtgtttcac actggaggtt gatgttcag agctaataca aaggcttcan 240

ncattggaan cactacagnt aggaactcga actcctgcaa cgtcanactg ctgcctcana 300

<210> 13129

<211> 531

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-042-Q1-E1-G1

<400> 13129
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 ggaacaaaanc aagcaaggat ctgtttcaga gagaaaaaaa agagggttccg actttttgtt 120
 agctagcggc tactctact ttgtctcccc caaaaaagcc gttagggttt atcatatcca 180
 ccgccttgct ttactctcgc cggagtcgta cggcgaagca cggttgttcg gcgttgcttc 240
 agctttagat tcttctcttc atagctagaa ttgcgaaag ctgactttag ctgaaacgaa 300
 tttctcctaa ttttcgagat atggcggagg tatcgatggg aagcagcagt agcagcacgg 360
 atctgtctcc cgaggaagag cgagttttca tcagagacat tgctattgct gctgaggcta 420
 atagtaaaga aggcgataca ttttatctca tctctcagag atggtggcaa gaatggattg 480
 agtatgtgaa tcaagaccaa ccatgtaaca caaatnatgg gtcctcactg g 531

<210> 13130
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G10

<400> 13130
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 tttcccatan gctgaaaana anactaaatt tttgtgttgc ccaccanaag gtttgaaatt 120
 ttgatccgac gatacttgag ctgatttacg ttattagtgc tatttcgatt tcctcaaaga 180
 tttcgttttt tttttccttc taaatttctt aagttaacct ccttgctgtg gcaattgggtg 240
 cacttaagca attcctcttc tggggctggt gatttggttt gcgattgggt tttttttttt 300
 agggtttgat tgggtcgtgg gcctgatttt tcnnctaatt gcnggcaaca gagtctgtgg 360
 gaggnntgan tttggnntna agtgttacct ttttgnntg gggggattca cattcaatcn 420
 gg 422

<210> 13131
 <211> 526
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G11

<400> 13131

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 cgnccgaaag acctgagcaa aaactgaaag aaaaaaaaaa aaaaaaaaaa aaagacttct 120
 cctcaaaaat ggcgtttaca ctaggtggaa gagctcgtcg tctagtctct gcaacatcag 180
 ttcatcaaaa tggttgctta cacaaactgc aacaaattgg ntcggatcgg tttcagcttg 240
 gtgaagcaaa agcaataaga ttactacca ggagaacaaa catgggtcaa gaattaggaa 300
 tcagggaaga atttatggat ctaaacagag aaacagagac aagttatgat tttctggatg 360
 aaatgagaca cagatttctg aaattcaaga gacaaaagta tctaccggag atagaaaagt 420
 ttaaagcttt ggccatagct caatcaccaa aggtaatggt gataggatgt gcagattcaa 480
 gggatatgcc atcttatgtn ctaggatttc aacctggtga agcntt 526

<210> 13132
 <211> 55
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G12

<400> 13132

gggaagatgg ccgcaccgat tcgccttctc ancagtttgc gcaccctgat ntggg 55

<210> 13133
 <211> 513
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-C9

<400> 13133

ggngaanggt ttganntggn cnccgagntc gaaatcccgg ganaganntt ttcnnacgat 60
 atngataatg antatgagaa gctgataaga agaataatc caccaagggt tgtgattgat 120
 aatgactctt gcaagaaggc aactgtgata aggggtggata gtgcaaatga atatgggatt 180
 cttcttgaag ttgtacaaat ctttactgat cttaacctta ctatcactaa ggcgtacata 240

tcttctgatg gtggttggtt tatggatgta tttaatgtca ctgatcaaga tggtaacaaa 300
 gtcactgatg aagttgttct anactatata caaaagtctc ttgggcctga agcttgtttc 360
 tccacttcca tgagatcagt tgggtgcata ccatcaacag acagcacggt tattgagtta 420
 actggatgtg acagaccagg tctgctgtct gaactgtcag ctgttttgac ccatctcaaa 480
 tgcagtgtcc tcaacgctga gatttggaca cac 513

<210> 13134
 <211> 82
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G2
 <400> 13134

cggggaatga agtcacgatc tccgngaat cgaggaataa agtaactaac ttgggagata 60
 acgatnccgt taaattggng aa 82

<210> 13135
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-D11
 <400> 13135

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 gcgtccggtt antggtattg cctaaaccat tgggtgttaa gagtaataag gatcagttta 120
 agtttgtgga gccgchgcta acttatggga cgattggtgg acggtttagg aaaggcgaga 180
 atccgtttgt cgaagaagcg tatcagcgag ttgcgttgga tcagttgctt aggattgctg 240
 gtattcaaga agatgatttg ttgataatgt ctgatgttga tgagattcct agtgctcata 300
 ctatcaatct tttgagatgg tgtgatgata ttcctccagt tcttcacctt cagttgaaga 360
 attatttgta ttctttcgaa tactatgtcg atagcaagag ctggagagcg tctatacacc 420
 gttacagtcc agggaaaacg cggatatgtc atttccgtca gantaatgtt atgttaaccg 480
 aatctggatg gcantgttnc ctctgtttcc 510

<210> 13136
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-D12

<400> 13136

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ttgttcttct ccatcgtgat attcatctct ctctctctct ttcttgttct tctccatcat 120
gatattttatc tctcgtttct gccggcaaaa tctctccaac atttcatcct tcgaattgag 180
agagttgcaa gtcataatta cttgtttgag ccgctattat catcatctgc atgataaatg 240
gttaaagtga gaagtggata cagttgctag aatgattgat gtctgttggt taaggaattg 300
gatacaatta ccgaatggaa ngctcataga agctagacta aaggatggat tacaagaaca 360
caciaagaca tggcttcttt taaggctgaa ctgctttaac actgggtaag aaactatctc 420
tcaatatcct aaaatcgatt atg 443
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<210> 13137
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-D3

<400> 13137

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tcgtcaccag acgtgagcta gtcctcgtc ccaattctcg caaagggaaa acgagcaaga 120
ggaccatatt cataagaaaa ctgattaggg aagtagctgg aatggctcct tatgagaaga 180
gaatcactga gcttctcaag gttgggaaaag acaagcgtgc tcttaagggt gctaagagga 240
agttgggtac tcacaagaga gctaagagga agagagagga gatgtctagt gttctccgca 300
agatgaggtc tcttgggtgt gctgctgctg ctgagaagaa gatgtagaca tcttattang 360
cttctgtgtt atggcatatt tctttctatt ggaaatcaag ttttggcttc tgtatgctca 420
aaaagcgttt atgtgttgtg ctttgt 446
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<210> 13138
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-D7

<400> 13138

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 tttcgganct gatcgggtctc tagttctctc ttcatacata tcncatcaga taaagttgat 120
 cggacactat aatggganga ggatttatga gttttgcatt tgggtgaggcc aattcttggc 180
 ttntctgcct gaggttcaga gtgctgatag gaaggttcca ttcagagaga aggttatcta 240
 cactgtcatc tctctcttna tcnttctgt ctgcaatcag cttcctcttt atggaatcca 300
 ttccaccacc ggtgcggatc cattctattg gatgcgtgct attctgctg ccaancgtgg 360
 aactgtcatg gagctcggtta ttactcttan tgttacatct ggacttgtga tgcaactctt 420
 ggcnnggtnc caagattant gagg 444

<210> 13139
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-E10

<400> 13139

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 actaataata atcttctcaa taatctccac atctttcttc accgttgaat cgattcgact 120
 attccctgat tcattcgacg atgcactctc agatttaatg gaagctccag catatcaaaa 180
 cggctcttgat tgctctgttt tagccaaaaa cagactcttg ttagcttgtg atccatcagc 240
 tgttcatata gctatgactc tagatccagc ttacttgcgt ggcacggat ctgcagtaca 300
 ttccatcctc aaacacactt cttgccctga aaacatcttc ttccacttca ttgcttcggg 360
 tacaagtcag ggttccctcg ccaagacctt tcctctgttt ttccttcttt gagtttcaaa 420
 gtctatacct tt 432

<210> 13140
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-E11

 <400> 13140

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 aagagatgga tctgtcagaa tctgaaaacc tgacagaaat tccagatctt tcaaaggcca 120
 ccaatctgaa gcatttatat ctcaacaact gcaaaagttt ggtgacactt ctttctacta 180
 ttgggaatct ccaaaaattg gtgaggttgg aaatgaaaga atgcacaggg ctggaggttc 240
 ttccaaccga tgtcaacttg tcctctctcg aaaccctcga tctcagtggg tgctcaagtt 300
 tgagaacttt tcctctgatt tcaaagagta tcaaatggct ctatctggaa aacancgcca 360
 ttgaagaaat tctagatntt tcaaaaggcc accaagctcg aatcctttga tactcaacaa 420
 ctgcaaaaatt tggtgac 437

<210> 13141
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-E12

 <400> 13141

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 cctctttaac tctctcttct tctacctctt gaccctctct ctctctctct ggtgatgcgg 180
 tttcttcttt ggaagccatg aaaacacaat cagcttcacc gttcttcttc gtctccttct 240
 tcttcttctt cttcttcttc tcttctctgt ttcttctctc ctctgcttta aactctgatg 300
 gagttctctt actgagtttc aaatactctg ttcttcttga tcctctctct ttattacaat 360
 catggaacta cgaccacgac aatccttggt catggcgagg tgtgttgtgt aataacgatt 420
 caaagagttg ttactttatc tctcccaaac tctaacctcg ttggttcgat tccttccgat 480

tctgggttcc tccaaaacct ccaaagtct 510

<210> 13142
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-E2

<400> 13142

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ccgaagggttg agaaaaactg acaacaacag aatcgccaag gcttgtggag cagtaattgt 120
gaacaggccc gacgaactgc aggagtctga tatcggtact ggggctggct tgtttgaggt 180
caagaaaatt ggagatgatt tcttttcttt cattgttgat tgcaaagaac ccaaagcctg 240
tactgtactc ttaaggggac caagtaaaga tttcatcaat gaagtggaaa gaaatttaca 300
ggatgccatg tctgttgcaa gaaacattat caaaaacca aagctagttc ctggtggagg 360
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agaaaagtgg ncttatgaag caactgccat tt 452

<210> 13143
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-E4

<400> 13143

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caaggaagaa tttttctggg gcttcctatc tctggacaag acgaagattt tttcaagggt 120
ctcgacgtca ctgcagatca gaaaaagagt ttttaagaaag ctttcaacac atattatgat 180
gctcttgcag atctccttca gtctgagcac aagttacttc tccaaatgga gaaagaaaat 240
gcaaagctgg taaatgctaa aggagagctt agtgaagaca gtgcactctt ttatgaaaag 300
ctgaggaaat catacgacca tctctatcga aatatctcat ctttgggccg aagcacttga 360
tatgcaacct cctgttatgc cagaggatgg tacaactacy ctcac 405

<210> 13144
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-E6

 <400> 13144

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 gtcgccgagt atgcgacctc ttcaccggca agctctgctg cgccatcctc tgctcctgct 180
 aaggatgagg ggaaaaagac ctatgattac ggtggcaaag gtgcgatcgg gcgtgtttgt 240
 cagggtcatcg gtgccattgt cgatgtgaga ttcgaggatc aggaaggatt gcctccgac 300
 atgacatctc ttgaggttca agatcatccc acaaggctgg tgcttgaggt gtctcatcat 360
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 angaagggtt 429

<210> 13145
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-041-Q1-E1-E7

 <400> 13145

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 tccaaaggcg atcaaggaga taaggaagtt tgctgagaag gaaatgggga caaaggatgt 180
 gagagtggat gttaaattga acaagcagat ttggagcaaa ggtatcagag gtccctccgag 240
 gagaatcaga gtccgagttg .ctcgtaagag aaatgatgat gaagatgcaa aggaagagtt 300
 cttctctctt gtcactgttg ctgaaatccc tgctgaagga ctctctggcc tcggcactaa 360
 gatcattgaa gaagaggatt aaactatctt atagtaacaa caacatttga tcagattttt 420
 cgagttttgt ttttcgaatc cttatt 446

<210> 13146

<211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-E8
 <400> 13146
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 gtggttgaag agcgagaaga cgggtgctact gacgttatca tcgttggggc tggagtaggc 180
 ggctcggctc tcgcatatgc tcttgctaag gacgggctgc gagtccatgt aatagagagg 240
 gacctgagag aaccagagag aatcatgggt gagtttatgc aaccaggagg acgactcatg 300
 ctctctaagc ttggtcttga agattgtttg gaggggaatag atgccccaaa agccacgggc 360
 atgacagttt ataaggacgg aaaagaagca gtcgcattctt ttcccgtaga caacaacaat 420
 tttccttttg attcttcggc tcgat 445

<210> 13147
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-E9
 <400> 13147
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 tttgcttcag atttccccag attatataga attcgatgac aagacacaga attcacatgg 180
 gttttgtcta aaaatcataa aaatcatatc tttttacgga tttgaagatg aatcagaatt 240
 cctctgttgc ggaggcgacg cttcagctta attccggtga aaaaccatcg ccgggatnga 300
 ttccgtttaa ctctcttggg tcaacacgga aacataagca cttcagcgac gagttcgaca 360
 agcacaagct cangtantgc tcttgccgta gttaaattccg ncgtgaaaaa accaaactan 420
 aagatnggna tactaaagtc gatg 444

<210> 13148

<211> 103
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-F1

 <400> 13148

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 cataagttgg ttgcaagact acctgaaggt nggtgtttgc ncc 103

<210> 13149
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-F10

 <400> 13149

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 ttgttttgat ttctggggtt tgtttgtttt ttgatttcgg taatgatata attgagattt 180
 tgatttcgtg tgatgttgag agattcttaa atgggtctat gtacttcgaa accgaattca 240
 tctaattccg atcaaactcc ggcgaggaat agtcacttc cggcgtctga atccgtcaag 300
 ctttcgagct cttccgttaa tgggtgaagat nagtgtgtaa caacaacgaa caatgaaggc 360
 aaaaagtctc cgtttttccc tttttatagt ccaagtccaa ctcacnaatt cctctccaaa 420
 aa 422

<210> 13150
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-041-Q1-E1-C6

 <400> 13150

 tgaacaacca aagaagttgc agagcacaca cacacacttt caagtttcaa tacagagatg 60
 gcgagcactg agccagagcg tgagaaccgt gaagatgaaa ccgaagtcaa cgaagatgaa 120

gacaccggag ctcaggtagc tccgatcggt aggcttgaag aggttgcagt caccaccggc 180
gaagaagatg aagacgccgt cctcgatctg aaatcgaaga tgtatcgatt cgataaagaa 240
gggaaccaat ggaaggagag aggagctgga actgtgaagt tattgaagca taaggaaact 300
ggaaaagtgc gtcttggtat gagacaatct aaaaccctaa agatctgtgc caatcacctc 360
atttcgtctg ggatgagtggt tcaggaacat agtgggaatg aaaagtcttg tttatggcac 420
gctactgatt tctccgacgg cga 443

<210> 13151
<211> 446
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B10
<400> 13151

gaatctcata gggattcaaa attaagaaga aagggtaaaa caacaagaat tgggtccggt 60
gactaacttg tggttttgct attccttggt tttgggcac acaaaccat tgtaggagcg 120
gaatacatgt ttcaaaacgt ttggaggggt caaagcaagg agatggtaag tcagggtgata 180
cgagcttcaa tgtgcttcgt cgccgtgctt tcgccaaagg agaaagatct aatcaagaag 240
ctccccggac aaccttccgg gcggttagtt tagacagtat ggcggttatg tgcccgtaaa 300
cgaaccatcc agtcngtttt tgtactatta ttttgtggaa gccatcaaac ccaatacatc 360
tactcctctg gtcactctggt tcaacggang accnggcctg ctcactctta ngtggggcat 420
ttctaaaagc ttgggtccctt ccgchg 446

<210> 13152
<211> 512
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B11
<400> 13152

nncggnnnnn nnggaactgg tcntctcgct ctgntctccg ganatcgaag gtcgaccag 60
gcgtccgcan tatccancca aaaccagttc tctcggcctt tgagttcagg gcacttgcaa 120

tgactacagt gagatccctt ttgatgtttt atttgcctct tttggagcct aaaacggctt 180
cagaggatga tgatgatttc ctaaacaatg ctgcagaaga aaaccgccac acagacttga 240
ttgttctct taaaaagtca gcaaagcaaa ttgcccgta gaccacagtt gtgaccactc 300
ggagagtcct tgaaaggctg gctctgagtt atgtctcaca gcgtatggca tggaaacttc 360
taaaggatgt gcctcagtcg gctttacgca aggctcagag agggttgccg acacatgtat 420
atatctttaa agtcagccaa acaactctta gaggtcactt cctgggaatc gcagcatcat 480
gggtagttca agtaggcatt gaaatctaca ga 512

<210> 13153
<211> 425
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B12
<400> 13153

tcctatcctt gtttccaaac gggattacgg ttaacgacgg cgatggcgcc ggaaattcac 60
ctgaaaccga agaaccctag aattttatgc cttcatggat tcagaactag tggtcggatt 120
ctccaagccg gtataggtaa atggccggac acaattctcc gagatctcga cctcgatttc 180
cttgacgctc cttttccggc caccgggaaa tcggacgctg agcgtttctt tgaccaccg 240
tattacgagt ggtaccagge taacaagggg tttaaggaat ataggaattt tgaagagtgt 300
ttggcttata tagangacta catgataaaa gaatggacct tttgatgggt cttcttggtt 360
tttctcaagg gagcttttct aactgcagct attcctggaa tgcaagaaca gggatcggct 420
cctaa 425

<210> 13154
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B2
<400> 13154

atttcaaggg ttttgttctt acagcccagt attcgcaaac tcaggacctt ttcacttctc 60

gtcttcaaag ccagatagag aaattgccca aattggttga ggatatagtt cagacatcga 120
 taaacacagg tccacgaggt gtgacacgcc ttgtccaagg tgttcaagcc tttgtagggg 180
 ttggaggaga gtggctaaat gatttatcta agtctacaag cgcgtctggt ggattaccaa 240
 gtgaattgca gcttgggtcta ctgtctcctc tatatttgag gaaactcttt gaacgcatgg 300
 gagctactta cattaagctg ggccagttta tagcatctgc gccaaactttg ttcccaccag 360
 aatatgtcaa agaatttcag aactgctttg acaaagctcc tctgtgcca attggaagaa 420
 attcgtaaaa tcttgcaaga ngagcctggg 450

<210> 13155
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-B3
 <400> 13155

tngtttaant ctcttcttaa tctcctcctt catctctact tctcttgccg tcgaacctcc 60
 gcctgaaaca atctacaaaa actttctcca atgtttcaca aaccaaaca aagctcctcc 120
 taactcatta gccgacgtcg ttttacaaaa aaccgctgcc gctttcaccc ccgtcttacg 180
 cgcttacatc cgtaacgcgc gtttcaacac cacagcgact ccgaaacctg cgatcgtaat 240
 cgcgggcgcgt tccgagagtc acgtccaagc tgccgtcatc tgcacgaaat cgctaaacat 300
 ccaactgaaa actcgaagcg gtggtcatga ctacgaaggt gtttcttaca tctctcacgt 360
 tcctttcttc gtctctgaca tgtcaaattc ccggtaacat caacgtcgac cccgccacaa 420
 gagtctgcat gggtcggtgc cgggtgcaaca ct 452

<210> 13156
 <211> 529
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-B4
 <400> 13156

ntgnnnnnnn nggtngngga ntggctcct ggtctctacg gcccgacgt cccggatcga 60

gtccgcgcaa acacaagaac gtgtatatat acacaatata tatacgtttc cgtgtatcta 120
 tcatacacac gatgtctatc aatccgtatg tgacaatctt cctcctcctc gccgctacct 180
 caagnnaagc gttgagtatt tctctagctg acccctgcac ggtgtcggat tttcctgcat 240
 tgtgcagaag taccattaag ggtcaaacta atgtgaatgc agcgacggat gtggccataa 300
 aagagttgat gaagcggacg aggcaagcca agaaaatcgc ggagaaagag ctgaaacgcg 360
 atggaggagt cgcgacttgt ttgtccaact tcaatagcgc gtttgataat ttggaaaagg 420
 ctcttacaaa cattaaggaa aatgatgggt ttaaccctta acattaacct tagcgccgcc 480
 cttgacggat tacgaatact ttgcaacnga ctgca 515

<210> 13159
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-C1
 <400> 13159

ggnnngactg gttncctgnc tctacggggc cggaatccc ganacgaccc acgggcccgg 60
 ttncgcgtaa aactacgcg ccgccgtaag cttgactatc tagttcaagt cttccgtcat 120
 gtctacgact tctccgtgc gtgttcgact agctttcggt gcgttactct cagcgacgac 180
 tttnnactgt atccataaat atcgtcgctt gaaacatctg aaaaacctct cgtaaacc 240
 tagctctaca ttgaaagcca gcagaggaaa gatcttcttc atctcccaa ctggtacagc 300
 taaagcctta gctcaacggc ttcacgagct atgcgcatct aacgacatag catttgatat 360
 cgtcgattca catanctacg aacctgaaga tctacctaaa gaaaccctac ttttattcat 420
 cgcgtcgact tggggatggc gggaagccgc ctaagaacgg agagtttct gtgaactggg 480
 cttgggtnag agccgctgaa agatttccga gtcggg 516

<210> 13160
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-C10

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<400> 13160
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ctttgggctc agcgttctga taaagtttac ctaactgtcg ccttacctga tgcgaaggac 180
atttcggtga agtgtgagcc tcagggctta ttcagtttct ctgctcttgg tgcccaaggc 240
gaacgccttg aattcagctt ggagttatat gggaagatta tgacagaata tcggaagaat 300
gtagggacta angaacatca tattttcaat tcanganaga agagagaagc tgggtggacac 360
gactgctgaa atcggaagag aaacctggca ncttacatca aantcnactg gaataaatgg 420
gtgtgatgaa ggatgangag gtcaa 445

<210> 13161
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-C11

<400> 13161
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ccgtgaaaca acaacctccg tttgagggtt tgccgggaaa atataaagtt cacaggcttt 120
gggtctctgca tttgcaatat atttaaaatg gcagcagctt tcttgaatct tggcggctat 180
gttttcggtt tcttctcttc gttcttagct atagtggccc cacagggttcg aggcaatggt 240
gctgtctttg atagctactg gacgcaacga caaagtgatg cattgaaaca aaccatcggc 300
tcttacgatt ctcatccact taacgtcacc aaccatttta attaccatgt caatatagca 360
gtggatgcat cggaatcaag gaacgatata aggagagagc ttactcaggt gagaagtgggt 420
cgtaaaacgc acaaaancag cggaaaatgc ctaacttata accgataga caactgctgg 480
gcgaatgcna tngtaactgg gctaataa 508

<210> 13162
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-C2

<400> 13162

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ttttttcatt tcttcctcca gagagagaga gagaagccac aacaagaaga agaagaagaa   60
gaagaagaag aagaagttct ggaatagtca tcatcttctc tgtttctagg ctttgtttat  120
ttgtctctaa agtttctgga ttcaacttct gaagaagata gtagtagtcc acaagaagga  180
tcttctttac cagaaagttg atttggtcag agccaaggaa gatgggttac atgtgtgact  240
tctgtggtga acaaagatct atggtgtact gtcgatccga tgcagcttgt ttgtgtctct  300
cctgtgaccg gagtgttcat tccgctaata cattgtccaa acgacattct cggacacttg  360
tctgcgagag atgcaatgct cagcctgcta ctgtcaggtg tgttgaagaa aggggtttcac  420
tccgtcaaaa ctgtgactgg tccggggccac a                                   451

```

<210> 13163

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-041-Q1-E1-C3

<400> 13163

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aacgtgaaca gagtctagag atggctaatt cctcctcctt ctccccctct accaccgtaa   60
cagatttaat ctccaccgtc catgacgaca tcatagagtc tcacatcttg acacgtctcg  120
acggcgcaac cttagcatcc gtctcttgcg cctcctcaca tcttcatcat ctcgcttcca  180
atgagatcct ctggtccaaa atctgccgat ccacgtggcc ttcttgctcc ggtggttctc  240
gttctttctt ctccgacgct tattctatgg tggaaaccgc cggtagagtc tctgatctcg  300
accgtccggt tccggaattg atctccgccg tggatcttca ctacagaggg aagttgattt  360
ttagtagagt cgtgaagacg gagactacga cggcgtgggt taaagagttc gccgttgang  420
attgatctgg tggatacaaaa aggata                                   446

```

<210> 13164

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-041-Q1-E1-B1

tgncaantna	tnatccgnen	angaccacag	ggccccgctna	aactccagaa	aatgagtttc	60
ttcaattttct	cgtcttttctc	gtccaattcg	aacaggagac	tcgctaacca	acgtcgattc	120
aacttgccca	tctccaaatt	ccactactat	cgcgttttcnn	ttcggngagt	ctcgggtcgg	180
ttcggagaga	cctcgaggcg	acgtaattcg	ctgaggaaga	agatcatcgg	tgatgagtat	240
tggcgttcga	ctccgaaatc	ttctgaacca	ggtacgaaac	ctctaaacga	aagccataag	300
tttggtcact	gtgatgattt	aagtagcacc	ganggatttg	caanataggg	gttgctcaac	360
gnttcacant	tttgctgaan	tgagctttga	atgaattggg	gtntgctccn	gttagtnana	420
a						421

<210>	13165
<211>	457
<212>	DNA
<213>	Arabidopsis thaliana

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<223>      unsure at all n locations
<223>      Clone ID: LIB25-040-Q1-E1-G8
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<400>	13165
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gagtcagatc	gttgacgtgt	acgtccgagt	aaccggggga	gaagtcggag	cagcgagttc	120
tctagctccc	aaaatcggtc	cgctaggtct	cgcaccaaag	aagatcggag	aagatatcgc	180
gaaagaaaacc	gcaaaggaat	ggaaaggatt	acgtgtaacc	gtcaagctca	cagtgcagaa	240
tcgtcaggcg	aaagtgacgg	tggttccatc	agcagcagca	ctcgtcatca	aggcgttgaa	300
agagccggag	agagatagga	agaaggtgaa	gaacattaag	cataacggga	acatctcgtt	360
tgatgatgtg	actgagattg	ctangatcat	gagacctana	tctaattgct	aagggaattg	420
aattggaaca	gtgagggaaa	atcctgggaa	cttgtgt			457

<210>	13166
<211>	160
<212>	DNA
<213>	Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-040-Q1-E1-G9

<400> 13166

gtttgacgat ngtgacccac naactacgaa tctgtntggt gggaatctgt ccccaaaggt 60
tgatgangaa tttccttctg cgcactttcg gaagatttgg gcccatagct agtgtcagga 120
ttatgtggcc agagaacaga tgatganaag angcnacaaa 160

<210> 13167

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-040-Q1-E1-H1

<400> 13167

atctaattctt aatgctcttc agtctgggtg ttgtaagccg tccaatgact gtaacttcac 60
ctatgtgaac ccgactactt ggacaaagac tcctgggtcca tacaaaaacg aggactgtaa 120
tgtgtgggac aacaaaccag gaactctctg ctacgactgt gaagcctgca aggctgggtct 180
gcttgacaac atcaagaact catggaaaaa ggtgggctaag gtcaacattg tcttcctcat 240
attcctcatt atcgtctact ctggttggtg ttgtgcgttc aggaacaaca ggaaacgcag 300
ttggtaatag attctaattgc gttgaaacca agactaaggc caagagaaga tatctgaagt 360
gtcatcatct tactgtcaaa gtaagttaaa gcancattta agacaactcg ttgatcgctt 420
tgtccttggtg tgtgggggatt gcaatttcaa tgt 453

<210> 13168

<211> 75

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-040-Q1-E1-H10

<400> 13168

tentccgcnt ctgtcgtcct ccgcaactcg tgccatctcc ctcaccgtcc gtgccgcttc 60
ctcctacgcc gatna 75

<210> 13169

<211> 435
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-040-Q1-E1-H2

 <400> 13169

 gatcttatcc ttatcttctt ccttggttcta tttctcttct aactaatctc ttctcttctc 60
 ttaaaatcaa acgtaatcat aaataaagat cttcttgtn aatttctctt gatcctcgca 120
 aaatcacaga ttcttgaaat tcttttttct tgtcttgaaa ttcttgagtt cttgagttat 180
 gaaaagacaa tggacagagt tatgaaatga taaatctcaa ccaattcctt gtttatcatt 240
 ctatatcagt tgtgattctt cattgggtttt acgttatctc ttgaacaaaa aaacatggca 300
 aacgcagaga agacaagttc aggttccgac atagatgaga agaaaagaaa acgcaagttt 360
 tcaaaccgcg aatcctgcaa ngangtcctt ttgaagaaac agaagtttaa tgggangaca 420
 cgantcatga gattc 435

<210> 13170
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-040-Q1-E1-H3

 <400> 13170

 tcagctttgt ctgaagctgg tggtatctat gttatgacct atgattccat tgggtcttgg 60
 gaagatggac caaccatca gccattgag cacattgcaa gtttccgtgc tatgccaac 120
 actcttatgt tccgtcctgc tgatggaaat gaaacagccg gtgcatacaa gatcgctgtc 180
 accaagcgca agacaccatc tatcttagct ctgtctaggc aaaagctgcc tcatcttcca 240
 ggtacatcca tcgaaggagt ggaaaagggt ggatatacaa tttctgacga ctcttcaggc 300
 aacaaacccg atgtgatctt gattggaact ggttctgagc tagagattgc tgcacaagct 360
 gcggangtgc tcaaggaaag acggcaaaaa ccgttaagag ttgggttcctt ccgttggtgc 420
 ggggaactaa tttgacgagc aatcaagatg aat 453

<210> 13171

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<211>      435
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-040-Q1-E1-H4

<400>      13171
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ttgtttcacc	aatggtgttc	gcagatgatt	tgacaccaat	cccagagggc	aaaccccaag	180
tggtgcagtg	gttcaataacc	cacgttggtc	catttggtca	acgtaaaggc	ttagatcctg	240
ctctcgtagc	tgctgaggct	gctccacgta	tcatcaacgt	gaatccaaag	ggaggtgaat	300
tcaaaacact	aacagacgca	ataaagagcg	ttcccgcagg	gaacacaaaa	gcgggtgatc	360
ataaagatgg	ctcatggtga	gtacagacag	aaagnacta	tccacangaa	caaaaccttc	420
aattacattt	gangg					435

cgtgcataga	ttaggaatct	cgaaaccccta	attctgtttt	ctacacgaaa	cccatcaaaa	60
tcgaattttg	atcgttttcta	atctctgccca	tttgattctc	ttcatcagtc	acatttaggg	120
gaaacgagaa	gccctaatact	ttgattctttt	aatcgccatg	gctaatagct	ctttcaagtt	180
ggaacaccca	ctagagagga	gacaaattga	atcttctcgc	atcagggaga	agtatccaga	240
cagaattcca	gtgatcgtag	agagagctga	aagaagtgat	gttcccaata	tcgacaagaa	300
gaagtacctt	gttccagctg	atctaactgt	tgggcaattt	gtgtatgttg	tccgtaaaag	360
aatcaagctg	agtgccgaaa	agggctatct	tccgtccttg	tgaagaacac	attgcctcca	420
actgctgcaa	atgatgtccn	gcacccaaag	a			451

6402 "435" 435

<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-A10

<400> 13173

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acagaagatg tattcgatgt tttcatggaa aattgtggga agtttgaccg tgatgatata 60
tatggttttaa tatctcttta cgaagcatca tatcttttca caaaattgga taaaaacctg 120
caaatattca tcagaccttt tgctacacaa caactcagag actttgttga tactcatagt 180
aatgaagatt ttgggtcgtg tgacatggtg gaaattgtgg tccaagcgtt ggatatgccc 240
tactattggc aaatgagaag gctatccacc agatggtaca tagatgtgta tggaaaaaga 300
caaaattata agaaccttgt cgtcgttgaa tttgccaaga ttgatttcaa catcgtacaa 360
gctattcatc aagangaact caaaaacgtt tccaactggt ggatggagac aggtttaagg 420
taagcaactc tactttgcaa g 441
```

<210> 13174
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-A12

<400> 13174

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aatttggctt taatctaata aagcctctcc ctctccgatt aaccttaata aatccggagg 60
gatcggagag aaaaaagaac caanaaaaaa aaaaaaacag aaaaaaaann atgattggaa 120
aagttgtggt ctcggtggcc tccatcctct taatagtcgg agttgccata ggagtcgttg 180
ccttcataaa caaaaatggc gatgctaate tgtctcccca aatgaaagcg gttcaaggaa 240
tttgccagtc gacatccgac aaagcctcat gtgtcaaaac tctcgagccg gtcaaagaac 300
gaggacccaa acaagctgat naaggnnttc atgctcgcta caaaagacga attaaccaaa 360
tcgtcnaact tcacgggtca aacngaanta acatggggtc gagcatccgc caaacaacaa 420
aagccgttct tgatt 435
```

<210> 13175

<211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-A2

 <400> 13175

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ttgtntagct gagtttctta ttgcttatct atatattatg tatcaaactct ccttgtttga    60
tctatgatca tctttctagg gttttgctcg atttcccga ttcgggtggg aaatcatcat    120
ctgatcgatt atcgcggtcg gacatggagg ggaaaaaac aacatctgat caactctcat    180
tgatccaatc atcaactctc gttgatcata gccacttadc atcaactctc gttgatcata    240
accacttadc atcaacgctt gttgatccaa ccatcaacgc tcgttgattc aaccatcaac    300
gctccgttga tcaacatca aagctcggtg attcaaact caacgctcgt tgattcaacc    360
atcaacgctc gttgattcaa ccatcaacgc tcgttgattc aaccatcaac gctcgttgat    420
caaccatcaa cgctcggtga tcaac                                           445
  
```

<210> 13176
 <211> 513
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-A3

 <400> 13176

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tgccgtgtct ctactggntc tagaaagtcc ggacacgacc cacngtccg ccccatccca    60
tgatgatgtg aacaatctca ctctctttct ctatctctct ttcgagtttc tttggagtat    120
tatataacaa atcagtcctc gacacctctt ttctcacacc aatctcgctc tcaccacana    180
acagagaatc tcagatcgaa gaagcaaaga aagagagaat gggtttcaact tcccaggaa    240
acccttcttt tctctctctc ttctctctct tctctgtct ctccacagtc tctgcttaca    300
tcaacagcac aagcagcaat aatgatgaag taagaagaga gctagcttct gggagatgta    360
attggtttag aggaattgg gtttaattgat gtaaagtacc cactttatga ttcttataaa    420
atgggccatt cataagattc acaagtttaa ctggtaagaa gtatgggtccg tctgacaat    480
gcntaacctt aagttacgaa tgggcaacca tcc                                           513
  
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<210> 13177
 <211> 530
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-A4

 <400> 13177

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 cgacccacgc gtccgcgtca ttgggagggg acgacgacgg atctgtcttt ctgtctactg 120
 aaaatccaaa ttctatcctc tccattttatt taactttttc agatttagtt ttgtcaagaa 180
 aacacaaaat gtctttttctt gcgccttgtc aaatttttga gctgaatatt atttcggccc 240
 aagaattggc gcccgtagga cgggtgatga agacatatgc aatcgcttgg attgatccag 300
 agcgtaaatt gacgactcgg gtcgacaata cgggcggaac aagccctaca tggaacgaca 360
 agtttgtgtt tcgtctagat gaggaagcac tctacgatgc cacatcaata gttgttatag 420
 agatctatgc attgcattgg ttcaaagaca ttcatgttgg aacgggtacaa gccttaataa 480
 gtgacctgtt aagcccttct tcggctatga gattcggttac cctagangtt 530

<210> 13178
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-041-Q1-E1-A6

 <400> 13178

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 cggaacaata caatgtgcag tcgtcacttt cttccttgag aaagaccaa acgcttggat 180
 tctccattcc tactccgagt ttgccacatg tctctatgca ggaattgggg cgtcagcact 240
 ttctttttacg gtccaagctt gggctattgc aaagagaggt cctgtgtttt ctgcactgtt 300
 taatcctctt tgtacagtca ttgtcacaat cttggctgct ttgttcttcc atgaagagat 360
 ttacactgga agtttaaatcg gaggattggg cgtgatattg ggactttaca ctgtgctctg 420
 gggtaaagca aaagatgtca tgg 443

<210> 13179
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-041-Q1-E1-A9
 <400> 13179
 gccacgcgt ccgcacagcc ccgggggcgt actggtcgtg gttagagtcc ggagaatcaa 60
 ctccaggact cccggagacc ttgcatctat acgaaaacct cttggaactc gggattgaac 120
 ccatcataat ctctgacaga tggaaaaaat tgtcagaagt cactgtcgag aatctcaagg 180
 ctgttggtgt aacaaaatgg aagcatctca tactcaagcc aaacggatcg aagttgacgc 240
 aagtgggtgta caagtcaaag gttaggaata gccttgtgaa gaaagggtag aacatcgttg 300
 ggaatattgg agaccaatgg gctgatttgg ttgaggatac tcctggaagg gtttttaagc 360
 tcccaaattcc actctactac gtacttctta attaagcatc tatcttcatg gcattgtccc 420
 ttgtatccat t 431

<210> 13180
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-040-Q1-E1-G6
 <400> 13180
 aatgaggctg aaaagtgttt aatagaaaca tctataaatt cactccgat aagcctcaag 60
 gtcaagcaag cggaatgaact tgaaaacata ctaacaaaa aatttctcag attcttgtcc 120
 atgagggcag aagcttttca agtactgagg aggaagccag tgcagggcta tgacataagc 180
 tttcttataa caaactacca ctgcgaagag atgcagaaac agaagctaatt tgatttcatt 240
 attcagttta tggaggatat agagaaagaa ataagggact tgaaggagtc agtgaataga 300
 agaggaagac tcgttgctac ggagttcttg aaacagttca tgtaaagcag ctcttgaagt 360
 agtataatgt aacccttcat tgtatcaatc actcgttaat tggtaaaatc catctactcc 420
 tcatttttgc acttccccng ttaat 445

<210> 13181
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-D9

 <400> 13181

 agggttttcc tcggaacctt aaagagttat attttgctgg cactacgtta agagaagtgc 60
 cccaacttcc tttaagccta gaggtcttga atgcacatgg ttctganncg gagaagcttc 120
 ctatgcatta caagttcaac aatTTTTTCG atctatctca acaagtgggc aacgattttt 180
 tattgaaaac gctgacttat gtaaaacaca taccaagagg gtatacgagc gaactcatca 240
 acaaagctcc gactttcatc ttcagtgcgc cctcacatac aaatcaaaac gccacatttg 300
 atctgcaatc aggatcttct gtaatgacac gactaaatca ttcattggagg aacacgcttg 360
 tgggatttgg tatgctggtg ggaagttgca attcccgaag gactactgtg atgctacaga 420
 tgttggnata aattgtgttt 440

 <210> 13182
 <211> 292
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-E10

 <400> 13182

 cagccgtagc nactcggagg ttgaaaaaat cnacgaggcg tgnatggtgg aacacgggaa 60
 taagaagatg aatcaanacg gtcttgngc agagaaagat caatcgattc gagatcttta 120
 antgataatc ttcgnttcat cgatgaacat aacacntca acctcaatta taaacttggc 180
 ttancccggt ttgctgattt aaccaatgat gagtaccgat ctatgtacct tgggtgctnaa 240
 tcgaccanga gggttntgaa aancagtgat cggtacaag cncgtgttgg tg 292

 <210> 13183
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

6406-4-20-2000

<223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-E11

<400> 13183

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gcttctcatc tcctanacaa angaaactca nganatgaga agaaaatttt ggnggntggt 60
tataaactat aatataatac acatcaaatac tttgacanga taccaacttg aagaanaaga 120
agaagctgca ttgatcttcc caaaagatcc tccatggntc aaggcatgga tggttcctgt 180
gatgatgctt ttcgttttct ttgtattttc nattgtagga atttgtcaan gttgtcncaa 240
ttgtcnccgt ggtgaaaatt ctcccagcat tcactctatt anctaattat ttaatttaga 300
tttttttttt cctttttggt ttctttctag aatatgtaaa tcattgttgg tgaaatgtna 360
aagtttacag tttcaccata tccgatttcc tctcgctttg atcaatgaaa gcaggatnga 420
atantna 427

```

<210> 13184
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-E12

<400> 13184

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ttacgcncgc cgtaccggaa ntaaattcng ngncnaccac gcgtnananc acgcgtccng 60
gtttnaaatt caaagntcct ttttttttaa ccctggcatc aaatacaacc atggcaagga 120
tttctctggt gttctcttta gccttagttc tagccancgg gtccgtcttg gtcacccac 180
ctaccacaaa gaaattacaa aagaccttgt gtccatctac tttgtccaaa gttcaagctt 240
tcccttacct tgaagtctct agcttcgtcg agaagaaggc cagttcgac caaaaacat 300
tgcgttcaag tcctttgggt ctccatctgc aagagctaca tcgaactttc cttggggggg 360
cgttaagttt tcctgctcca naagaatggt gtttcaagtc cgttcatgtc naaattcact 420
ttgatnaacc aaagggnaat gggtaattgc acaagccach aaattggngt ttttaangaa 480
acctccccc gntnaatttg ggcnaaaaa 510

```

<210> 13185
 <211> 420
 <212> DNA

<213> Arabidopsis thaliana
 <223> Clone ID: LIB25-039-Q1-E1-E5
 <400> 13185

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ctttaagtat gcaggattgg acaccgagaa tcttcagAAC tttgagtgtt gtctctttgt 60
acttttcccg tatttttcat acatgcttgc agaagggtgtt ggtctctccg gcattgtttc 120
tatactcttc acaggaattg taatcgccga gtcattgtag cttttacatc ttagttgatg 180
ttaatatctt ggaaagacat atttaggctg cctaatatag tgctactgta ggttatgaag 240
cgctacactt tctcaaatct ctcaagagct tcacagagtt tcgtatcttc tttttttcac 300
ttgatatctt cgctagcaga aactttcacg ttcatttaca tgggatttga tattgccatg 360
gagcagcata gctgggtcccA tgttgggtta tccttttctc tattgtatcc tcatttactg 420

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<210> 13186
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-E6
 <400> 13186

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ggcttcgata gggtttttagt aattttccga tggcttcaag ctcananaan acacctctta 60
ttccttcaga tgagaaaaac gataccaagg aagagagtaa gagtactact aaaccagaat 120
cangetcagg agctccacct tcaccttcac cgactgatcc tgggcttgat ttcaatgctt 180
ttgntttctc cggcatggct ggnatcctca atgatccaag tatcaaggaa ttggntgagc 240
aantagctaa ngatccttca ttttaaccagt tagctgagca gcttcagaga tctgtgccaa 300
accggatctc atganggang tctacctaAn tttgattcac aacaagtata tgcagacaat 360
gcagcatgtt atggagaatc ctgagtttag aacaatggct gagcgtcttg gnaacgcttt 420
gntgcangat tcac 434

```

<210> 13187
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-E8

<400> 13187

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atcgtgtctg aattacagaa gaagaaagtt catctctttt actgcttana gtgcgaagaa 120
cttgctcgca acatcgccgc tgaatctgat cacatcactc tccaatccat caactggagg 180
agttttgctg atggattccc naatctatth atcaacaacg cacatgatat ccgaggccag 240
cacgttgctg tccttgcttc attcagttcc cctgctgtca tctttgagca natctctgtc 300
atttacttgc tccctcgatt gtttggttgcg tccttcactt tgggtgttgcc tttcttcccc 360
actggctcct ttgagagaat ggnagaggaa ngagatgtac aactgctttt ancatggcaa 420
ggattgt 427

<210> 13188

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-E9

<400> 13188

aacatgtcca tggagctcac cgttctcgga cccctcgccg gtcggagttt cgcaatcgcc 60
ggaaaacctt aactttctgt tcttcgacca acaaacctcc ctcttctccg tctctcactc 120
ccgctttctc ttcccaatth ctcttcgtcc tctcgthtta attcgcccat attcgctgca 180
caggagagta acttgagtgt atccaacgaa aacgaaacca gtgagtggct gatgcaagat 240
ttttatacat tgagaaaaga tgtagaaata gcatcagctc gtgttgaaga gattagagct 300
tctgctaatt tacaacaact aagaacaaga gattacaaat ctggaatcaa aagctactga 360
tacatcgtht tgggatgatn gtactaaaag ctcaagaaac tttatcgthc ttaaatgatc 420
ntaaaagatn gtatgccgg 439

<210> 13189

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-F1

<400> 13189

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ngatctctgc ttgaagatta tggacggcgc cgatggaacc gttecgctca agcctggctg 60
cggattcgaa acggagacgg atgttgcggt ttcgtcgcca gtgacacgtc agaaagctgc 120
tgcagctaag caattcatcg agaattatta taagaattac ttgcaaggct tgcacgaacg 180
aatggagaga ccanggagtt tcaaaagaaa gtgcaaagaa gcccaattac ctgttganga 240
acaagaccaa gatgatgaag aatccggntc ctctgaaac tgaatnaann aaanttnnaa 300
gancctaaat tgggaatgna gaatttgaac ctttgnnctg taatggcaaa ngngncttg 360
gtgaaggtaa antaagtcct ttgggattac anccgaagtt taagccaagn agaaatttga 420
aaaaacngg 429

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<210> 13190

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-F3

<400> 13190

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gcaaaaanggc cgtagtttta cgtggaggca tcaccggagg atttcttcac catcgctcgtg 60
acgcttcacg cgatcacaca agaagaatct catccgtcaa agccgcagga ggaggcatca 120
accaaacggt ggctgttgaa cgtgccacgt ggctacctgg actaaaccct cctccttacc 180
ttgatggaaa tttagctgga gattacgggt ttgaccactc cgggttagga gaggatccgg 240
aaagcttgaa gtggtatggt caagcagagc ttgttctctc tcgtttcgtc atgctcgggtg 300
ttgcaggaat actcttctct gatctccttc ggaccacagg gattcgtaat ttaccgggtt 360
ggtatgaanc tggagctgtg aaatttgatt ttgctagtac aaaaactctc atagttgtca 420
gtttcnactt atgggggttg ctgagactaa aaggtatatn g 461

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<210> 13191

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-F5

<400> 13191
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taacttttga ctctctcggc ttaataaaaag tgactgaagc tcgtgggtcaa gagagaggga 120
ttccgactgt agtgaacaca tggggagaga tgaatgcac tagaagtgtt cttgctgctt 180
ccattgatga ccggttaagg aatccgcttt tggctgttgc aagaaaagat ggcaatgttg 240
aggttattaa cccttgtaat ggtgatcttc acttctcata ctctgtattt ggtgatgatg 300
gttgttcccc tgaggataac gaaatttctg ccctgcactt attcaggaaa aagatagatg 360
atcagacaga aagatcttgc acattgctta catgtacgaa aaaggagat gtgagtctca 420
gatcagttaa atttccagat g 441

<210> 13192
<211> 51
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-F8

<400> 13192
tgttgagggtg aacggtaacg acaaaaccga nntcgggatg gtggtgatta g 51

<210> 13193
<211> 514
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-G1

<400> 13193
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aaggagatc cagaagatgc ctttaagaag actgtcgaaa tcgatcggat gattgatgct 120
cttagagatg caaacctag acaagttgag aagattgttg ttgaaaatat cttgctttt 180
gatgaggttt tttggataag actagcagct aggtcggata cttgtaaadc agaagatgac 240
aagaaggact atgaggagtt agctacaact gtgatgacta tagttgactg tgttgatgaat 300
aagactcggg aaaagataga gacgtctact gatattctga aagggatttt aagacctgct 360

CC44769.1 "Arabidopsis thaliana"

atagatggag tggaaagaga tttcatggcc gccaaagat cctgaagcca tcaatctaata 420
gaaaaaggaa attatacaac gggaaaaaga agggcaatta gatgaaggat ttctttcaga 480
agttaatgct cagctccggc aagcaaaaga agat 514

<210> 13194
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-G3

<400> 13194

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attcgtctct ctctttcaat cggagggttaa ttgtttttct gtttgggggt caaagcgaag 120
atggtgaacg ctatggtgga gagagcgacg agcgagatgc tgatcgggcc tgattgggct 180
atgaacctcg agatctgtga tatgctcaat agcgatccag cgcaagcaaa agatgtttgtg 240
aaaggcatta aaaaacggat tggtagcagg aatccaaaag ctcagcttct tgccttaact 300
ctgcttgaga caatagtga gaactgtggt gacatggttc atatgcatgt ggctgagaaa 360
ggtgttatct atgagatggt ccggatagtt aagaagaagc cggacttcca tgtcaaagag 420
aagattctgg tccttatcga tacatggcaa gangcctttg g 461

<210> 13195
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-G4

<400> 13195

anaaagcata acccccaga gaaagagaga gagtttctcc caacaagatc aaacttcgaa 60
ctctacgaga actactatta tccanaacgc gaaatagaga gacagagatt tcataaattt 120
cttacttttt aaccccaaag ttctttttcca gacagcgttt tcctctgtcc tttgctcttt 180
gtggggtttac tccttcttcc ggtttgata tcccgagcta gtaaagaagg gatccagtag 240
cagaagctga agctaataaa cccaatcata gagaaagctc tctgaacaaa agacattttc 300

tgggtttgtt	ttaattaaaa	agaaatggcc	gattcgacca	aagtaagggc	tagttcgttg	360
cccaaaaatg	cgagaatccc	cttatcagag	ctgaagatcc	tcctttttcc	agttgcggtg	420
ggctggcttc	accgttcctt	cgtgcaaa				448

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<210>      13196
<211>      475
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-039-Q1-E1-D7
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<400>      13196
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agcgcttact cagagacgta tgggaactct tgtctcgag actctcagga ctttgatgtt 360
aaggaagtgg agctatgggg atttgtgtat ggctcaaagt atgatgagat tctagctcac 420
agcaaaacaa tggagcctgg tctttgcaga tggatcatgat cattataaag aaaacccaaa 480
tgaattcaac tgagattcgt ctttttgttg ttgttgttgt tgttg 525

<210> 13198
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-B6

<400> 13198

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cggaattccc gggctgaccc acggtccgc gttctcatgt tgttgagaa gataagattg 120
gtgtcttgct tttgaattta ggtggctctg aaactcttaa cgatgttcaa cttttcttgt 180
ataatctctt tgctgatccg gatattataa ggcttctag accatttcag tttcttcaag 240
ggactatagc taagtttata tctgttggtc gtgctccgaa atctaaagaa gggatgctg 300
ctattggtgg tggctctctt ttgcgtaaaa taactgatga gcaagcggat gctattaaga 360
tgtctttgca agcgaagaac attgctgcta atgtctatgt tggatgctg tattggtatc 420
cgttcactga ggaggctgtt cagcagataa agaaggacaa aattactaga cttgttgtac 480
tgccattgta tctcagat tctatctcta caacgggttc aagcatcgc gt 532

<210> 13199
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C1

<400> 13199

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taagcaggcc aggttcttag tgtgccaact actgctacta ttccaggat gttctcaaac 120
atgtttccaa tggctcctgg tcagcaacta ggtgcgttc ctgtactgcc agttcaggca 180

atgactcaac aggtacgata tatcaatcta tcttattctt aggttcttca ccttttgtca 240
 cgattccctt cctaaaatat gtagtcgcag gcaactaggc atgctcggcg agtctatgtt 300
 ggtggccttc caccaactgc taatgaacag gtttggtact tttgttttgt ttaagggttt 360
 gtgacttttt gtttattatt gtctatttaa accacatttc aatatccatt gtatgcctac 420
 tgagaatggg ttttcatgtc ctagtcggtg tcaacgttct ttagccaagt gatgtcggcc 480
 attgggggaa aactgctgg gccaaagtat gcggt 515

<210> 13200
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-C10
 <400> 13200

caaatttccg tttttgctac cgctgtctct ggtcagactc agaggaaaca cggagcttga 60
 gcaactgaca agactgtttc gtgtttgggg ctttcgaaga gagtannag attcgcgggt 120
 ttcgtcaatt cctgggtttt ctctagattg ctgtttcggg ggtgttttct tttgaggatt 180
 taaggggaaac atggaacca acaaggatga taatgtttca ttagcaagca acagctcaaa 240
 tttcaagcac ctccagttct acaagatgcc tcgtctctgc caggtttctc tgccattcca 300
 cctgtgggtc ctcttcttt tccccacca atgggtccaa tacctatgat gccacatcct 360
 ccagttgccc gcccaactac ttttaggcaa ctgttcanaa aaagggggga ttgaaaccaa 420
 ntgacnccgg attcgga 438

<210> 13201
 <211> 229
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-C11
 <400> 13201

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 tcgttcangt acnnatgggt gttggacaaa cttaaggccg agcgtgancg tgggtattacc 120

atcgatattg ctctatggaa gttcgaggac caccaagtac tactgcacat tcattgatgc 180
cccangacat cgtgatttca tcancgaaca tgattactgg tanctccca 229

<210> 13202
<211> 262
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C12

<400> 13202

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aaagcaatgc tcggaaacca gactctgaga acacgtattt ctcagggggg gnaacattga 120
atccgatgtg gaatgaanat ctgatgtttg ttgttgctga gccttttgag gaanctttga 180
ttcccccggt gggaaataag gttncaccna attaagatna aaccttaagc cngtgtncaa 240
tcccgttnen aaacgttcaa ag 262

<210> 13203
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C2

<400> 13203

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acaatcccag ggaattcttc aagattagct ggaaatccca actggggaac agcaactgtt 120
gttgagtat ttgcaggatt gctatatgga gggagcaaag aagcttctgc ttctgtgagc 180
aaagatgcag aagtgatgtt gaagatgggt agtacacagg ataagcgtga acaacacagg 240
ttgatgcgag atgcaatgga gaaaagggtc atccgagtaa ctctgtggctc cctcattgga 300
gggatgcgtc ttggnatgtt cactgcttcc ttcttttagtc tacaaaactt tttagctgag 360
acccgaggag tgcattgatgt tttcaatgtg gttggagctg gttcagctac tgctgcagtt 420
tttggcctaa tcatgccggg gtctcctgct tggcgtng 458

<210> 13204
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-C5

<400> 13204

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 cgagtcagag attgaggact attctgaaac accctaccgc cttttacgcg acgggactta 180
 caaggtgaag gtgaatggac agctcagatg cccggtttgt gcaggcaaga agaagcaaga 240
 ttacaagtac aaggagttgt atgcacatgc tactgggggtt tccaaagggt ctgccaccag 300
 aagtgcctta cagaaggcta atcatcttgc tttagctatg tttttagaag aatgagcttg 360
 ctggttatgc agaacctgtt ccacgccctc cagttgttcc tcctcagtta gacgagactg 420
 aaccaaaccc tcataaagt 439

<210> 13205
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-C6

<400> 13205

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 aaactaaagt aaaatgagct tgacactaga gtttctgctt cttctgattg tacttatctt 120
 gagtcaccat gctcattctg gctctattgt caaattcctt cctgggtttg aaggccccct 180
 tccttttgaa ctcgaaaccg ggtacattgg tattggtgag gaagaggaag tgcaattatt 240
 ctactatttc atcaaactcg agaagaatcc agaagaanac cctcttcttc tatgggttaag 300
 tggaggacct ggatgttctt ctcttactgg ccttcttttt gagaatggta tatctataat 360
 atttcgctaa gcattactan aatancttgt ttaaagccgg gggaaataaa tangaccggt 420
 ggctttgaan ttcgaggtt 439

<210> 13206

<211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-039-Q1-E1-C7
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 tgaatccaca ggaacaatcg gaaaacgttt cgtaagcatt aacgttgaga acgttgaatc 180
 aaacagacgt gctcttcgtg agctcttggt caccactcct ggagctctcc aatacatcag 240
 tggtatcatt ctcttcgaag aaacactcta ccagaaaact gcttcaggga aactatttgt 300
 tgatgtaatg aaggaagctg gagtgcttcc aggtattaaa gtcgataaag gaaccgttga 360
 gctcgctggt acaaatggtg aaaccacaac cactggcttc gacggacttg gtgaccgttg 420
 caagaagtac ta 432

<210> 13207
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-039-Q1-E1-C8
 <400> 13207
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 aggaggtcag aactggattt cacgagacaa gaacaagttc aagtttcctg gaggtggtac 180
 acagtttatt catggggctg atcagtactt ggaccagatg tctaagatgg tttctgatat 240
 tacgtttggc aagcatatta gggttgctat ggatgttggt tgtggtgtgg cgagttttgg 300
 tgcttatcta ttgtctcgtg atgtcatgac aatgtctggt gcacaaaag atgtccatga 360
 gaaccaaatt caatttgctc ttgagcgtgg tgtgcctgct atggcggcag catttgcgac 420
 aaggcgtttg ttatatccaa 440

<210> 13208
 <211> 510
 <212> DNA

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<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-039-Q1-E1-D1

<400>      13208

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tccttcccat cgaaccacag cattgcatgg gtcctttaca acatcctcca gccagctatt  120
aaccagggtca acaagatgcy tgagagtaaa ggtatcggtg ttggtctagg tattggtggt  180
ggtcttgtag cgtcagggct tttgactcca cctccggagg cttatgctgc ggcagaagcy  240
gcggctgcta gttcagacag cagaggacag ttgttggtga ttgttgtagc accggcacta  300
ctttgggttc tgtacaatat cttgcagcca gctttgaacc aaatcaacaa gatgaggtct  360
ggggattaaa atcctatata tatataatat tattataaat catctttggg attcaaatgt  420
aaaattaacc cttgttttaa gggcagtttt aggttacaaa anaaaahnnn aaaaaaaaag  480
gggggccgcy ctaaaggntc aagcttactt                                     510

<210>      13209
<211>      520
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-039-Q1-E1-D3

<400>      13209

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acgaaaactc gaaaaagcta cacacaagaa gaagaagaaa agatacgagc aagaagacta  120
aacacgaaag cgatttatca actcgaaagg aagagacttt gatcttcaaa tttcgtcccc  180
tatagattgt gttgtttctg ggaaggagat ggcagtttat gatcagagtg gagatagaaa  240
cagaacacaa attgatacat cgaggaaaag gaaatctaga agtagaggtg acggtactac  300
tgtggctgag agattaaaga gatggaaaga gtataacgag accgtagaag aanttctacc  360
aagaagagga aantacctgc naaagggtcn aaaaagggtt gtatgaaagg taaaggagga  420
ccagagaata nccgatgtan tttcagagga gttaggcaaa ggatttgggg taaatgggtt  480
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<210> 13210
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-D4

 <400> 13210

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agagcttcac acagattatg gtggtgctgc agtgagatgg gggcttacac atcataaaga  120
gagtgcagct gattgttgcc aggcttgctt agaccaggca aagcgtgcga aacctggaga  180
aacgagatgc aatatttggg tttattgccc atctgagttt ggttgtttct ctccagatat  240
ttatgagcat aaacatcagg agtggttggt taaatacgca gagaagccaa aacaagaatt  300
tcaaagacag atattctgag acatacagaa acaaccaccc aaaagcgcca tctatcgttc  360
catgggtttc aggtgttgta acggcttgag caaaacccat gtggacagat tgatgggaga  420
aatangagat agttttggnt tttttttcca gctgtggt   458
  
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<210> 13211
 <211> 519
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-B2

 <400> 13211

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cgtctcgttg ccgttggtgg cgtagtcgga attaatctcc tcggcgttga gattcacatg  180
gtctagngtt ctagctaagt ggttggtggt gttgttacga tttccgattt ctcgagtttt  240
ttttttatat ttagcttctg tttcgtttat ccctcccga gacactcctt ggtcgaatct  300
ctcatgctga ggtgttttgg ncacttggtg tcangaggaa accagttttg gttctgatta  360
atcgttgggt ggnaaatata ctcaattcca ggccatgcct tcacttcaac tattgcagtt  420
aactgagcgg ggtcgggggc ttgtngcgtc aagacggana tctatactgc ttgcggctgg  480
  
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gattgtntctg cnggtggnac tgctgtttac ctgaaatct

519

<210> 13212
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H5

<400> 13212

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tcactttgct tcaccaaaga gagcttttggc cacactgacg gagaagggcg ttgccttcga 120
gaccatcccc gtcgatctca tgaaaggaga acacaagcag cctgcttacc tcgctcctac 180
agccttttgg tactgttccg gctgttgggt acgggtgacta caaatcttc nagtcccgtg 240
cgggtgatgaa gtactnaccn aaaagtncaa gtcacaanga cctgatcttt ggggaaaacc 300
gttnaanaca gaagtcaaan tnaacaatgg cttgatgtgg aaccaacaac tacaaccaac 360
cgctattgaa cttaacgctc aaaaatgttc catcnatcca tgggaattcc canncgaatg 420
a 421

<210> 13213
<211> 290
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H6

<400> 13213

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acactgtagc tggccaggctc tggctcacca agcagctcgc gcaaaagcat tccatcagtc 120
atatacttca gaactgtttt gtctgaagta caatcctcaa atcgaatgga atagccaacc 180
tcatgtccga gtttgacacc catctcttga gccacacngg cagcnacacn catagcngca 240
actcntcgng gngcgtaca accanactnt ccacgcttng tgtaaccanc 290

<210> 13214
<211> 424
<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-038-Q1-E1-H7
 <400> 13214
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 ctccgggttaa aagtttcgtc tctgcgggaa ttggaacttc aatggaggga ttaaagctct 120
 cagaagcgga attgatgatt tttattcatc cttcccagag cagaaacgtt tttcaaggaa 180
 tttgtcgca gctcagttct cttctattcc agttcgttct ttttcttct cctatttact 240
 tcttcttttg tttcaagttt tgatttttag gttgtgttct taaccttata ggagaatcga 300
 attgancttt cttgatgcaa tgtttggttg ggganaattc ggtttttctt aaaanaaatt 360
 gggggganca aaccttggtg gtaaaggnaa aangnaacc ttgaanggnn ttccaatggn 420
 ntaa 424

<210> 13215
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-038-Q1-E1-H8
 <400> 13215
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 ttatcttttag ttgtatctct tctagatcaa aagttgatag ttccatgaat gctactgctg 120
 ttattgcaga acctaagaaa gttattgaga agcttgaagg tcatccagct ccgactaaag 180
 acactggctg tgccggagagc ggttcctcaa cacctctaag gagcggggaa ttgaagtatt 240
 cttctaagct acggattttc atgtttaacg accttaagtt anccactagg aatttcanc 300
 aaantccttc ccggtaaggg ngttttggat gttttntaag gggggatagg ngaannggaa 360
 gcgccctgna acccggnnag ggctaaagtg cgt 393

<210> 13216
 <211> 52
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-A1

<400> 13216

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<210> 13217
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13217

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 gctcgtgtcc gttttgttcc ttttctcgt tctgtttctt cttccagatc aaggggggaa 180
 agttacacgc gaatgcagaa gagagttccg atgatgttac agatccacca aaagttgagg 240
 agaaaattgg tggtcacggg ggtttatcga cggattccga ttagattcat agagagtctg 300
 agtcgatgtc aaagaagacg cttcgcagta acgcggagaa gtttgagttc caagctgagg 360
 tttctcggct tatggacatt attatcaact ctctatacag taacaaggac attttcttaa 420
 gagagttgat ctccaatgct tctgatgcct tgggacaaaa attangttcc ttgcactcac 480
 tgacaaagac gttttgggtn aagggacac 509

<210> 13218
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-A12

<400> 13218

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 gaaagacctt ctccgagggtc tgaatcgatg agatcatatg cagtgggnga ggttcagtgc 120
 aatgcaccag actctcctac tgagtttata agtagagata ctagaaaact tttggcagag 180
 agattgaaga atgttttgag aaaagagatg actccttcac atgattctgt gaccaaactct 240

agtagccggt tgcgacctac tgtgtcggat gcagcgaaac aagctgagga aatcaatcaa 300
 gaagatgttt ctaagaaaga gtctttatca ccaagaaatc tcaaaagatc actatctgct 360
 cctgtctcan ggacatcggt tgggtaagct tttgttagag gaccggcatg ttttgacaag 420
 cgcacangtn atgaggaanc 440

<210> 13219
 <211> 527
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-A2
 <400> 13219

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 ccaancgtcc ggttcantct tcgaccacca cngtcaaate cggcgacca tcaaccttca 120
 gatgactaaa ggtggacttg gaatagccgc gatgtcatatc gtggtaatcg attacatgcy 180
 ttacgtgtca ccggtgtggc attctcgtct tatgccagtt ctttgggtctg ttcttgctat 240
 cgccgtcgtc actcgtgttc tgttctataa aactgggtct aaagagctac gagcagctat 300
 tcctttcctt ggttctatcg tattccttct ctgtgctctt ctctttgaag ctctttgtgt 360
 tcgctctgtt actgctgttc ttggcttaga ttggcaccgg gaaacacctc cacttcctga 420
 tacaggccaa tggttcttac ttgcactaaa cgagagcctt cccgggacac ttgtggaaat 480
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<210> 13220
 <211> 476
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-A3
 <400> 13220

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 ggggtttttc ccnttccnt ncccaaagaa ttcaaagggg ggaangaaaa aaggtttaca 180

acngccgaaa atggcaanaa aangaagaat tnccgaatng aatggtnnac aagattcaac 240
 aaaaagntng aaggagaaaa ttgggtnggc cacgggtggg ttaaccacgg ttcgatgtat 300
 tcatagagat ctgatcatgt caagagacct ccataccggg aattgatcag ctgaggtccg 360
 gtangcatat aactccata catacaggca tttctaaaag tgttcattgct ctgatgctgg 420
 caaataggtc tgaccactgc aagactttgg tgaagtgcac tgctactgaa tcaaat 476

<210> 13221
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-A4

<400> 13221
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 gatccggcga ctaattcacc gattatgccg attgatttac cgattatgca cgacagtgat 180
 cgttacgact tcgttaaaga tattggctct ggtaatttcg gcgttgctcg tctcatgacc 240
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 ggagaacttt atgagcggat ttgtaatgcc ggac 454

<210> 13222
 <211> 277
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13222
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 ttcagcctct gtttcttcaa gctcatcttt cacaagacta ctccaaattt ctctcctttg 180

6426 "1636" 1636

caaancccca nntcaagatt tctcccgggc gtcaatctaa ccgattcgtc tcccccgga 240
ccantaacca acgtcngaac aggcanaagc caaacta 277

<210> 13223
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13223

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ctttctctct ctctctatct ccgtcgtcgc aagagtgcac catctttaac gccggggacc 180
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ctcgggaagc tcaccatcct catcggtgca ggtcttggtg ggtcagtact tgctaaagaa 360
gggagtttac cagatgtctc gagttttgtc tccggtgctc ttaagatggg atttaagcag 420
ctgaagcaag aagaacctgc caaatcagcc agcaagcccc gcaatgatac actaatnggc 480
caagttaaca atcctaagna tgaatt 506

<210> 13224
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-B1

<400> 13224

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tcaaactctc tcttctctca gtcgtcttcc ctctctccgg caacgtcttc cctctcggat 180
actactcagt cttaatgcaa ataggaagcc ctccaaaggc atttcaattt gatattgata 240
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ttgggaaaaa ccaagattga ggctcccggtg ctcttcagag gagttgcaca ttcgttgaac 300
cctactaaca atctggtttt gaaaagttct ttcaacctcc ccaacaactt aatctgccaa 360
accaagcctc naaattgtct aatccccccc anntcaacgg ggtcctcaaa tttccctaata 420
ncncggtcaa tcaanggcaa nnaa 444

<210> 13227
<211> 440
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H4
<400> 13227

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cataaacctt ttgccgccgt cactaatagg aattaactga tctcgtcaat ggcggaggtg 180
gaggagattg cgcacgagga gcagaatata gagaagaggg agaagaagaa aggtaaacac 240
gagaagccga agccatggga tgatgaccca aacatcgacc gttggacaat cgagaagttt 300
gatccggcat ggaacccccac nggtatgact gaaccagca cnttcncaac actctttcct 360
caatacanga gaagatatct cntcngggag tttngngcct aatnttnanc tncctcnat 420
aaagtantng ggtgncccca 440

<210> 13228
<211> 526
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-F10
<400> 13228

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cgcgtccgcc cgcggtccg aaaaaataat ggcagctttg gcatcaaacc cccaaatgct 180
aactagacan gctcacggta acaagaagga acaattgtgg aggaaagaga gtttaaattt 240

ggagaagaag tgtgggtttt gtgtgagcgt ttacagtant gaaaagcttg ggaggtcaca 300
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ggagatggaa cccattaaca acgttganga actcgatgct gttctctctc acgcacgcca 420
actctctcag cctatcatcc tcgaatggga tggcttcttg gtgtcgaann tgtatttact 480
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<210> 13229
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13229
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ccgtcgctgg ctgtaacgga atctccgctt gtgatctcga gaaactcaac gttctcggat 180
gcggaaacgg cgggattggt tacaaggtcc gtcataaaac cacatcggag atctacgctt 240
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ctgtcgtcgg tgaagtatcg attctantgg agtatatgga cggcggaacc ctagaatnac 420
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<210> 13230
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-F3

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tttcttcaag gaaagaagag attttgtttt ccgtttcttg gggtttttct tgattctgat 180

6429

ctctgatctg atctcatcat cattgtccgt ggattctccg atggggttct gattgtgggt 240
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gctcgagat cttgttgggtg ttacacttgg acccaaagga cgaaatgttg ttcttgagag 360
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ggaagacccg gttgagaa 438

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<212> DNA
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<400> 13232

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cagcttcttc atacacatcg ctgtgatagt gttactagtc ttgttcgctg gactaatgtc 300
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 <212> DNA
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 <223> unsure at all n locations
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 aagaggaaat gggaagaaca tgtttgccga gatggcgatt aggaagacta atggcaggat 240
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 aagtcagcag cgaaggattc gacctaaagg cgctgcacga tcgtgttgat gaagtactag 420
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<210> 13234
 <211> 519
 <212> DNA
 <213> Arabidopsis thaliana
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gctaatttaa tcaaccatga gtttcttgtg attagttctc actaacttga tgtaaattct 240
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 cagacagaag gttgcagaag ttgaaaagct tatgcagagt gttcggaat tagaagaagc 180
 tgttcttgct ggtggtgcag ccgcaaacgc agtgagagat taccaaagga aattccaaga 240
 aatgaatgaa gagaggaaaa tccttgaacg ggaattggcc cgtgcgaagg taaatgcaa 300
 cagagttgct actgttgtag ctaacgaatg gaaagattct aatgacaaag tgatgcctgt 360
 aaggcagtgg cttgaagaac gtagattttt gcagggagaa atgcaacaac tacgcgacaa 420
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<210> 13236
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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cgcggtccgga gaaatttggg atgggcaact tctaagcacg acgtgtatct tatgtcaaat 120
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 ggtcatgttg cgccatctga gaaacatcct ggaagtttac ttgaaggatt tacgcagact 240
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 cttatttgca agcatcttga tagaccgggt gtcagctttt gctctcgtat gacttatgat 360
 gataatgcta taaccaatgc tattgagatc tacaacaaac ccagtgggtgc acttcatttt 420
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<210> 13237
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-037-Q1-E1-H6
 <400> 13237

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 attcgccgtt accggcggtc tcatcaccaa gctcaccgtt ggactcactg aggaagacgc 180
 caagaactcc aagtttgtcc aacaacacag gcggtgatct actgacgtga gttgtccaag 240
 ctgagaagcc gaagcggttct tatggaaact actgagagtg cttcagcttt caaacctgtt 300
 ctaataacat gaaagagagg attatagaca ctatcaatct ctcgtttcct tttctctgtg 360
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<210> 13238
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-H7
 <400> 13238

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<210> 13241
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-038-Q1-E1-A10
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 tcaaaaaaga accaccgcct ccggtggtac tcgttctctc gctctttgat taccctcttc 180
 tctccgcccg cactaggatg ttggaatcat catataattt gttgtttggg aagcttgcat 240
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 tgaagcctac tgatgaccc tcatgtggatt tgggtgcatc tgtttcgggt gctgtagatg 360
 gtagagtgaaggaggatctt gttgggaatg cggagtttcg ctggcaaagt gatgttgatg 420
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<210> 13242
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tggctcgctc gtttggagct aacagtaccg ttgtgttggc gatcatcttc ttcggatgtt 180
 tatttgcgtt gtcctctgca atagaagagg ctacgaagtt aggatcagtg atagggatag 240
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 ccaatgacca aggaaaccgt attacacctt catgggttgg ttttactgac tctgaaagac 360
 tcattggtga ggctgctaag aatcaagcag ctgttaatcc agagaggact gtcttcgacg 420
 ttaagagatt gatcgggcga aaatttgagg ataaggangt tcaaaaggat aggaaacttg 480
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-037-Q1-E1-C12
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 gctcctgctt caaagacctc ttcactcttt gatggcgctt ctggatctcg cttttccaag 180
 attcttctcc actggttcta ccgatacgag atcctcttat acgatagtgg atcacactta 240
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 gcatggcttt aacaccgctt gcattactaa gcttttcccc acaaggtcac atactgttgc 360
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 gttgtgtttt caattattat tgagaaaatt gtatgttctt gagaggattt gtgatactat 180
 ttaatcatct ctggattcca aaaatttctg gggattattg gatgttgatg agaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
 aaaaangggc gg 312

<210> 13245
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13245

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tgatttcata gctgaattct tgggtttacc gcttgtgcct ccattctatg gatctcataa 180
tgcaaacttt gaaaaggag ttaatttcgc ggtaggggga gcaaccgctt tggaacgttc 240
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taatagcttc aaggagagtt tacctagcat atgtggctct ccttcagact gtagagatat 360
gatagaaaat gctttgattc tcatggggga aattggaggg aatgactata actacgcgtt 420
cttcgtggac aaaggcattg aagagatcaa ggagctgatg cccctggtga tnactactat 480
ttcttctgca atcacggagt tgatcggtat ggggggga 518
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<210> 13246
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-C6

<400> 13246

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aaattagggt atggggagct ggtgctcaaa gaagattgag taaatctcat gttttggtat 180
ctggaattaa gggcactggt gctgagtttt gtaagaacat tgtgttggca ggagtaggta 240
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ttcttcctga tgaaaatgct tatgtaggca aaaccgtagc tgagatttgt tgtgattcac 360
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gtgttgatth ttctgagaag tttgg 445
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<210> 13247
<211> 530
<212> DNA

<211> 449
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-037-Q1-E1-D2

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<210> 13250
 <211> 523
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-D3

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 tggaagcgaa gcaagtatcg atctttcgaa aggtttgtac gatgctggga gatnacatga 480
 agtttggttt cccaatggct ttcactgcta cagttctctc atg 523

gnnnnnggaa ctggtctgcc tttgncctag ccctccggan atcnaaggte gacccangcg 60
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<210> 13256
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13256

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 gaagttggaa gcatactctt gtggaaatta actgttgatg gagagccaaa agtgtcaaag 240
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 cctctgaagg aagagtacaa ttttttctcg aaaacgatga aagtaagccc taagcaagga 360
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<210> 13257
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-C10

<400> 13257

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ttagatccct taccgccgaca aagacaccaa aattcttgag ggcgagagag ctgattgatg 180

tctttggtat ctggagccag ggacatgggg ttcgacgaca acaacaacaa canggaacaa 240

caaggatgga gatgatgaga actcctcctc cagaacaaga gccgacgacg atgctcttag 300

tcgacagatg agcgaatctt ctctttgtgc taccgaggag gaagaagacg acgattccaa 360

attgcaattg ggtcctcagt acactatcaa gagaacatnt cgagaaggac aaggatgatg 420

agagtctgag gaaatggaag gaacagcttc tcggaagtgt tgatgtcacc aanattggag 480

agactcttga tccggaagtt aggattgata ncctng 516

<210> 13258

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-037-Q1-E1-A10

<400> 13258

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caccaaatac gctgagagtt ttgagtttgt acccaagacc cttgcagata atgctggcct 180

caatgcgatg gaaatcatag ccgctctgta cactggacat ggatctggaa acacaaaact 240

aggcattgac ttanaggaag gtgcttgtaa agatgtttca gagacaaaag tatgggatct 300

ttttgcaacc aagttatttg cccttaaata tgcttcagat gctgcatgca ctgtacttcg 360

tgtagaccag attataatgg cgaaaccagc angtggacca aggagagatg cagctcaagc 420

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<210> 13259

<211> 523

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-037-Q1-E1-A11

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<210> 13260

<211> 516

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-037-Q1-E1-A3

<400> 13260

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<210> 13261

<211> 517

<211> 447
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13263

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<210> 13264
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-A9

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 atcatcttct ctttccactg acacatctat tccaccaccg gaaaacaacg acgatgatga 180
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 aatgttccaa ggatattaaa accaatgtag tagtgacagt gttaccatt tttaacattt 300
 ctgtccattt tttccatgtg aattatttgt atcaaacgaa aaagatatta caaagatgaa 360
 aaacaacgac gatgatgatg atgggggattt cgtcctacca ccacacattg gggtccaata 420
 tgcacgcca ccaccacaa tgttccaagg atattaaaac cantgtagta gtgacagtgt 480
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<210> 13265
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-B10

 <400> 13265

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 tattgatttg gaaatatgga caagtatgac gttgtcaagg atctgggagc tggaaatttc 180
 ggtgtggctc gccttctcag gcacaaggac accaaagagc ttgttgccat gaaatacatc 240
 gagagaggtc gcaagataga tgagaacgtg gcgagagaga ttattaatca cagatcactt 300
 aaacatccta atatcatccg gttcaaggag gtgatcctga cacctactca tcttgctatt 360
 gtgatggagt atgcttctgg aggagagctc tttgatcgaa tctgtactgc cggtagattt 420
 agtgaaactg angctaagta ctctttcaac a 451

<210> 13266
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-B12

 <400> 13266

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 gatggtaaag ttcttgacat cgcgaaatcc ggctttactt ctgcatgggt gccaccacca 180
 tctcagtctc ttgcaccgga aggttatctt ccacaggacc tttattcact aaactcagca 240
 tatggctctg agcatctatt gaaatcctta ctgcgcaaga tgaaacaata caaagttaga 300
 gctatggctg atatagtcac caatcatcgt gttgggacaa ctagaggaca tgggtggaatg 360
 tataaccgtt atgatggaat ttcattaccg tgggatgaac acgccgtgac ttcttgtacc 420
 ggangactgg gtnaccgaaa gcacaaggga aa 452

<210> 13267
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-037-Q1-E1-B4

 <400> 13267

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 acgctaattgt atttgactcg attcgaatca ttagtcctct aatcacaccg attgatttcc 120
 acccacagat ttcttgtctg aaatttaggg ttagcgaagg tttggatcaa tgatgcaagg 180
 tgaagtacaa ttgcagccac cggattcaca gaaactaagt gattccgctc ctttgtagg 240
 agatcacacc aattcttctt cggcgtctcc ttctgctgcg tctgtggtgg caggaaatag 300
 cgatgagata aaggctgaag aagatttaga gaacgatgct tcttcagctc cttgttgtcg 360
 tatttgtttg gaggacgata gtgaattgtt aggcgatgaa ttgatttcac cttgtatgtg 420
 taaaggcact caacaattcg tgca 444

<210> 13268
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-B5

 <400> 13268

 tantcgncca gtatncccg c atacntgncc cccgngctgg gcccacgcg tcngtgaaaa 60
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 ttcacacagc taatgtctac caccgaggcc tgaaacaaaa gaacatattg gcaaattgcaa 180
 actgtaaact taagatttgt gatatttgat tggcaagggt tgcattcaat gataccccca 240
 caacaatctt ctggactgac tatgttgcta ccagatggta tanagctcca gagctttgtg 300
 gatcttttta ctctaagtat acaccgcgaa ttgacatctg gagtatangc tgcatttttg 360
 cggagggtgtt gatnggtaaa ccacttttcc ctggaaagaa tgtgggtcac cagctggatc 420
 ttatgactga tctgctaggg gacaccttcc ctggacanca tctcacgggt gaggantgag 480
 aacgcccga ngacttnac cngcgg 506

<210> 13269
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-037-Q1-E1-B6
 <400> 13269

gcaaaaatgg ctatctcaaa gcttattcct actcttgtgc tctttgtttt gttctctttt 60
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 ggatcttttt actcaaatct ttaccacaaa ttttaccagt tctcttgtcc acaagctgat 180
 gagattgtta tgacgggtgct cgaaaaagcc atagctaaag aaccaagaat ggcagcatct 240
 ttactcagac ttcacttcca cgactgcttc gttcagggtg gtgatgcac aatcttggtg 300
 gatgatagtg caaccataag aagtgaagaa aatgctggac caaacaagaa ctccgtaga 360
 gggtttcaag taatcgacga gatcaaagcc aaacttgagc aagcttgtcc tcaaactgtc 420
 tcctgcgccg acattct 437

<210> 13270
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-037-Q1-E1-B8
 <400> 13270

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 aattttgatt ttgagtttgc tcataatgag tctggatcatg gcacaagttc aagtagaagc 120
 aaagatctgc tgcccttcca accaagctag aaatggctat agtgtatgcc gtataagggtt 180
 ttccaagggc aggtgtatgc aagtgaatgg atgccaaaac tctgatacat gccctcgagg 240
 ttgggtaaac gccattctcg aaaactcagc tgatgctacc aatgagcact gcaagttagg 300
 gtgtgaaact tctgtgtgtg gtgccatgaa cactctccag aactctgatg caagtgaat 360
 tgtgaatgga gcgtcggaac aatgtgcaa gggatgttct attttctgta ccaagagcta 420
 tgtatccac 430

<210> 13271
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-A1

 <400> 13271

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 agattcgggtt gaataatggc ggctgcggtt tttgggcagt taaatctaga ggagcctcca 120
 ccgatttggg gatctcgtag tgctgattgc ttcgagaagc ttgaacagat tggatgaagga 180
 acttacggcc aagtgtacat ggctaaagaa attaaaactg gtgaaatcgt ggctctgaaa 240
 aagatccgta tggacaatga aagagaaggg tttccgataa ccgctatccg ggagatcaaa 300
 attctgaaga agctgcatca tgaaaatgtc atccatttga aagagattgt tacttctcca 360
 ggtcgagata gggatgatca aggaaagcca gataataaca aatacaaggg tggaatctac 420
 atggtctttg agtacatgga tnatgacttg act 453

<210> 13272
 <211> 289
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-E4

 <400> 13272

ccgtnacctt cgttacntca tcaacatgac acgtaaaccg gtagcgattg tnnctgccgc 60
 ggatgtcact cacatccagg ctacaatnac ttgtgccaag aaactcggnn tccagctccg 120
 gatccgcagt ggaggacatg actacgacgg tangtcgtat ttatcaacca ttgatttcgt 180
 tgnctagac atgttcaatc tccggtctat caatanagat tctaaactcg acatgcgtgg 240
 gtccaatccg gtgctacncc tggggaagtn taacnacgga gtcgccaac 289

<210> 13273
 <211> 70
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-035-Q1-E1-E8

<400> 13273

gtatcctcct ccatcaaata caacgttgna tcgtccctct cngtatcacc tccgtgtcat 60
cancatcgga 70

<210> 13274

<211> 477

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-035-Q1-E1-F1

<400> 13274

anacacaant tgtaacttca aatagattac tttcaaagaa gagagagaga aagaaagatg 60
gacaagaaca tgaagtttcc agtagtagac ttgtccaagc tcaatgggga agagagagac 120
caagccatgg ctctaataca tgaagcttgt gagaattggg gcttctttga gatagtgaac 180
catggattac cacatgactt aatggacaag gatcgagaag atgacaaagg gaccattaca 240
agacatgcca agaacaaaag ttcantgaca tgctcaaagt ccaaangttt ggataatcct 300
tgagacaaga agtccaagat gtcgattggg aaaacacttt ccaacgttcc gtcaactccc 360
ctcaatccan tcncaatgac atttcaaata gtgtcngatn aatacaggac ggggcatgaa 420
agacttggtg agaaactgga gaatccctgg cgangatttg ttgggntcaa cngtgtg 477

<210> 13275

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-035-Q1-E1-F10

<400> 13275

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gaaggattgg taggaacttt cttaggtgtt ggcattggtc taaagactct cctctcgaag 120
ttgttgact taacgacagt ggtggtgtca agaatgcac ccacttgctt aagtatgact 180
ccatgcttgg aaccttcaag gctgaagtga aaattgtgga caatgaaact attagtgtg 240

atggtaagct catcaaagtt gtctccaaca gagaccctct taagcttcca tgggctgagc 300
 tcggcattga cattgttatc gaggggaacag gagtgtttgt tgatgggcca ggagcangga 360
 agcatatcca agccggagcc tcnaaagtta tcatcactgc accaaccaaa ggtgctgata 420
 tccctaacta agttatggga atc 443

<210> 13276
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-F11
 <400> 13276

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 cgcttcatgt caagcaagct tgatcggtag gtccaaagat tcctgcaacg ttcttggtt 120
 cagaactaca acggagcagg ttgtgtttta gtccaagata tctaattctt gtgtctatgg 180
 gtttactgct ttaaatttca gacctttaga gaagaatctt catttggtgtg gcaagtaata 240
 gagaacaaac tgcaataatc taagtctttg tttgtttcta ctctaacttt gtccttaaga 300
 caagaacagg atcactctgt tctgtcttct tgtcctctgt attttatctt tagacttttg 360
 ttattttatt tatatatgag ttttagtttg ttaaaaacaa aacanntnca nnanncntgg 420
 gcnanaa 427

<210> 13277
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-F2
 <400> 13277

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 attctctttt tcctctagaa aaagagatta aaaaaaaaaat ggaggggagg ttattgacgg 120
 tgttggctctg cctcgtctct acggtggcga tcgtgaacgc cggtgatcct tacttcttcc 180
 atacatggaa cgtgacttac ggaactgcct cacctctcgg tgttctcaa aaggtgattc 240

tcatcaacgg tcaattccct ggtcctaacc ttaactcaac ctctaacaac aacgtcgtca 300
tcaatgtctt caaccaacta nacgaacctt tcctcttgac ctggagtggg attcagcata 360
ngaaagaact gctggcaaga tgggtgtggct ggaacttcat gccccatccc aactggacag 420
aactttactt aacaattcaa actaaggacc anattgggtc ctact 465

<210> 13278
<211> 85
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-F3
<400> 13278

cngactgtgg caacacgacc gtgttgagga tcatcactaa tgatcaatga ancataanca 60
ctccctcgta cgttgctttc acnga 85

<210> 13279
<211> 462
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-F4
<400> 13279

ctaantttt canagaaaga agaagaaaaa ggcggaattc gatggtggat gcgattcaag 60
tagctgagct gagaagattc gtcgagcagt tgaaattgaa tccttcgatt ctccacgac 120
ctagtctggt tttcttcaaa gaatatctcc gaagtttagg agctcaagtt ccgaagattg 180
agaaaactga aagagattat gaagataang ccgagacaaa acccagtttc tctcctaaac 240
atgatgatga tgatgatgat attatggagt ctgatgttga actccanaac tctgaagtag 300
ttnaacaaaa caatgagcct cctcagccga tgggaaaacc tactgctnaa gtgaccgatg 360
naaatacgga tgatgctcag tcagagaaga acaaantat ggangcaatc tccgaaggga 420
agtttgacca agctatagag catctaacaa aagctgtcat gc 462

<210> 13280
<211> 84
<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-F6
 <400> 13280
 taacgaatca gatcaagtcg acaatgggtcc nctctccgga ccncacctga tgtctatacg 60
 ctgcccataa ncttggtca ttnt 84

<210> 13281
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-G1

<400> 13281
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 gatctcgtga tccgtcaggt gggttggtgga gccgagcctc aggttttgac ctcagaggat 120
 cacttttcnc tcttcaagcg ggagttcggg aacgtctacg cttccaacga ggagcatgac 180
 tatagattct ccggnntttca aagcgaatct caaggcgaac gaggcgtcac caagaagttg 240
 ggatccgtn gcgactcatg gtgttacgca gttctcaaaa tctgactcgg tctgagttcn 300
 gtaagaagca cttggggggtt acaagtgggtt taaancttcc taaaaatnca aaaaaggccc 360
 caattctccc taccgaaaat ctccctgagg attttgattg gaaaaatnat ggggccgtta 420
 ctccctttaa aaacagggat ttgcggcctt g 451

<210> 13282
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-G10

<400> 13282
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 taatcatggc aaagatctcc ttgctgttg tcgttgctgc tcttattgtc tttcaacaag 120
 tatctgaggc tcatcgtccg atagatttca acgaagaagt acttgaaaag gacttgcatg 180

aagccaagga cttgatagaa gaagacttga gagagaaaga aacgagcatc aggaacttgg 240
aaagcgaggt tagtttgta accaaatctg agatgatgct tactcagctc gaacttgctt 300
acaaaaatgg tagaaatctt gagcatttcg ggaaaaaact caagaaattc aacaggagga 360
tnaagcgggc tcctgangaa gtgagatacg tttccatcat ccagtccatt ttgaanggat 420
ttgggattaa acngagggag acattaaaac aagaa 455

<210> 13283
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-G11

<400> 13283

cagcancatc atcatcatca tcatcaacag cagcgtcacc tgangttgag actgtctcaa 60
accggangtt tgcagagacg tttgattana cgag 94

<210> 13284
<211> 235
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-G4

<400> 13284

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ccggagggat tancggaggg attcttgga cggtcgatgg gtttgccaaa ggggtcggga 120
tatggcccaa taattatcan agcaccgggc gcttcnagaa caacaatatg acgagtccgg 180
gaaactacgg caatggtaat ggcgggtgcag tgaaggcatc cgagaactcc ggcgg 235

<210> 13285
<211> 131
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-G9

<400> 13285

gtacagtagc tanctccgga agantcacag cgccaaagtt ctcaacgcnt cttctaaagt 60
tcttttccga gcaacgcttc tcgtagctct tgtccgcgct cncatcttcg cntcaacta 120
ccctccantc t 131

<210> 13286

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-035-Q1-E1-H11

<400> 13286

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tttccaagct aaatgtaggg aaactgggga ggttggtgcc atcaagaagg ttctacaaga 120
caaacgctac aagaacaggg agctacaaat aatgcagatg ctagaccatc ccaatgccgt 180
tgctttaaag catagctttt tctcaagaac agacaacgaa gaggtttatt tgaatcttgt 240
ccttgaatth gtgcctgaga ccgtcaatcg tgttgcaaga agttatagta ggacaaacca 300
gctgatgcca ttgatatatg ttaaactcta cacctatcag atttgcaagg cgcttgctta 360
catccataat tcctttgggc cttgtcaccg tgatatcaag cctcaaaacc tgctggtgaa 420
acccacacac gcatcaacta aaaatatgtg att 453

<210> 13287

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-035-Q1-E1-H12

<400> 13287

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aaaaacacac catatccaga tgcagtgttt acctccttaa aactatccat ctccatcaac 180
ataagcccca acattctctc tttctctctc caaacctcc aaacagctct ttccgaggct 240
gggaaactca ccgatctcct ttctggcgct ggggtctcca acaacctagt tgagggacaa 300

cgtggctctc ttcaagactg caaagatctt caccacatca cttcttcttt cttgaaacga 360
 tnaatctcca agatccaaga cgggtgttaac gattcacgga aactagccga cgctagagcg 420
 tanctaagcg ccgctctcaa caacaaagat tag 453

<210> 13288
 <211> 51
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-H2
 <400> 13288

atnacgtctt ggcatacant gggagatggg ttcacgagtg catcggtcca g 51

<210> 13289
 <211> 308
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-E3
 <400> 13289

gagagagaag gagacgccat ggaaaggctt cttcaaccat cttcttcttc ttcttcaatt 60
 tctccttcca aattcccttc acgggacttc tcctttcctt ccccgctctcc gtcacatggg 120
 tctgagcttt gtctcgactc ancgggccga gtcacgccga gtcagctcan tttcctgcaa 180
 cagttcccag attccgtcan tgtatacgcc tataggatct aanacnncta acaattccnt 240
 caatgggtct cccaaatcgg atgaatcnaa agctaatecc ggatttctca cacggatngc 300
 gangtcgg 308

<210> 13290
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-H3
 <400> 13290

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 ctttcgggga tgggctgcag cgcgggcctg atctcagttg atctagcccg cgacttgctc 120
 caagttcatc ccaattcaaa tgcaatcatc gtcagcacgg agatcataac gcctaattac 180
 tatcaaggca acgagagagc catgttggtta cccaattgtc tcttcgcat ggggtgcggca 240
 gccatacaca tgtcaaaccg cgggtctgac cgggtggcgag ccaaatacaa agctttccca 300
 actcgtccgg acacaacgtg gcgctgacga caagtcttct actgtgtcta cgaacaagaa 360
 gacnaagaag gacacttgga tcaacttgtc aaagattcat ggcatcgccg gtgaagcctc 420
 aaaggaaaca tcaccacata gtcnttggtc 450

<210> 13291
 <211> 344
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-H4
 <400> 13291

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 ttacnaggat tttcattttc tcntctgttt tcgtttcaaa ttcaggaaaa tcttcggttt 180
 caatccgggt tanatcggtt ttttaacaatg tcgatggtaa ctgtcaaagt taacaacgtt 240
 tctcttgaag caacagaaag agatntcaag gngttcntcc ctttttccgg nganattgcc 300
 taactccang actcaangcg aagaatgatg gntctaaatt agna 344

<210> 13292
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-036-Q1-E1-A12
 <400> 13292

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 agaaatgggc ggcttttgggt ttttaaagac tgttgttttt gtttctgtcg gtaaaacata 120

aaagaaaatt ttattgctct tgaagatatt aaaaatcaga caagctgttc aagaaaaata 180
 ttattctgtt gaataaagta aactgatggg gaagagaagg ttccagaaag caaaggaaac 240
 gtcgtcagta gcagaagctt catctccgac ggagtctcag gctacaagga gacgaagagg 300
 aaggccaagg aagaatcttg agaaccaga agatttcaag aangaagaat ctgaagaaga 360
 cgaggattac gaaagagtac gaggacnaag aagaagaaag acgaagaaac tgangtgggt 420
 tantaacaga gaagaanctg aanaana 447

<210> 13293
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-C3
 <400> 13293

gccaccagag gtttttcccc tgcttcgagc gccgtcttgg agaagctttt tctcgatagg 60
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 tcttctcaag cgaaaaaatc cntaatttcc acagagaaga atggctatgg agatcacaca 180
 gttccttctg gctgccagtg cagccgatgc aagagtccgt actgaagcan aggctagtct 240
 cagacagttc caaggaacaa aacttgccgc tgttcttgtt atccttgtct tttgagcttg 300
 aaaacaatga taaacctgct gaatcccgtc gactaaccgg tattctgcta aagaattctc 360
 tggacgccaa agattctgcc acaaaagatn atctggtgaa acaatggttt gcaattgatg 420
 ttgctcctaa atcccaagat naaggatcgc ntactaagaa 460

<210> 13294
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-C5
 <400> 13294

tgnngaantg gtttgcgtgc ccnnggtct agcgaatccg gattatcgcg ggtcgacca 60
 cgcgtncgcy gaaacgtggg gcgaagctaa aggagatagg aggaacaac atatttgcan 120

atgggaaagt agaagcaaga gactatztat gcggtgtccg taaaccacca ggtggagaga 180
 caagcatcgc acttgtttaa aatcatcttt ttcggttaaca acttaactct ttataaacc 240
 gcggttggtc ggtgtgtgtt cttgtggttt ccatacact tcagctcaaa gtgtgatttg 300
 tattttgcgg tttcntgggt gttatzttta ttgagttggt ttttaagccg ttagggcttt 360
 ctaatgtaag ttcgagctta aactgttggg agattatnag cattactacg ggacaagatg 420
 atgttgcttg tttcagaaaa gaanctgcta aaaa 454

<210> 13295
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13295

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 ccgtaccgtc caatgctcaa cctgccacac cgtcacgcag ctctactcgc tagtggacat 120
 agctcgcggt gcaaaccgca taattcatgg gtttcaacag ctacttagac aacaccaacc 180
 gcaacatcat gaacaacaac aacaacaaat gatgggtcaa ccgccaccac ggctgcttga 240
 gcctcttccc tcgcggtttg ggaagaagag agcagtttta tgcggcgtga actataaggg 300
 aaaaagttaa agcttgaaaag gttgcatcag tgatgctaan tcatgaaaat ctttattggt 360
 tcaacaaatg ggtttcccta ttgactctaa tctcatgctc acaagaagat naaaccagcc 420
 cgcagagaat accgacgaag agaaacatta ggaaggngat ta 462

<210> 13296
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-D10
 <400> 13296

catttcatct tcaccaaact ctcatggact tcgattccgc agtgagtttt tatttcctct 60
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tgtttttacaa atttgaccg taatttttga acattacaaa aggaaaccct attatctgtt 180
 ttgtttttctt taggacaaac gagagagtgt ggaggagaca gtgatgatgg aatacgatga 240
 agaaaccaat caattcgacg ttgaattttg tccggttgag catcctattg aaccggagga 300
 agaagatcgt ccggttaaata gtcccgtagc aatatcatct tctctcatcc acaaacaaaa 360
 ggagaaatcg aaaccggggg ggggttaaaca cagagccagc agctacgaaa ctccnggtta 420
 tccaacgccca cgtcatcatg tacgttacgt acgaaa 456

<210> 13297
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-D12

<400> 13297
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 caataaaatg ggggcttcgc ttctctctaa ggaggccaac ctcttcaagc tcatcgtcaa 180
 atcatatgag actaagcagt acaagaaggg actcaaggca gctgatgcca tattaataaaa 240
 gtttcctgat catggagaga ctttatcgat gaaaggactg actctaaact gtatggaccg 300
 caaaactgaa gcatatgagc ttgttcgact tggagtgaag aatgatatca aaagccatgt 360
 ttgctggcat gtgcttggtc ctttgtaccg gtcagacaga gagtatagag aagcaatcaa 420
 atgctaccga aatgccctta gaatana 447

<210> 13298
 <211> 543
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-D3

<400> 13298
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 cccanncgtc agctttttgag aaagaaaaac ccaaacttgc catgttttag atctggctct 120

ttttaagctc caaaagattg ttgctttttc tcttgcttaa gtttttgatt tattcttctt 180
 ctteganaag tctgtacctc gcaagagttt gattgtcctt gtggtgcat ttccatgttt 240
 agtatctgca tttgatagcc ttcgatgctg catgcaattc ccaagactct ttctgantgc 300
 tacaacgccg tgatttctct ctgccatttc cttegatttg atttctgggt tctcttcttc 360
 tcgtctctct tctgcatgtt tcgccactct ancttaagaa aaaaagttac gtttcgcctc 420
 cgatttaagg ctcgatttga tgaaattcng tccgtcntgt gggctaatta ncaanattga 480
 acattaaagg gtttcctgaa tttgttgggg tcaagaaatt ggttttaaac caancngtc 540
 ctt 543

<210> 13299
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-D4
 <400> 13299

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 cgcgacgctc ttttctctct ggaactggaa tcgcctgac cggacgaagg aggtgtatca 180
 gacggaggag aatctgatan cgacgaggat ttgcgcgaca acgatgatgt tggtatgccg 240
 ggaacgaacg aagctgaagc tgaagacgac gatcccgaag aggaagatct caattctccg 300
 tctacatcat cactcccat ggtttctacg aatctcagcg actgctgttg tttccgggaa 360
 cccgacggcg acttctctta cangcgccgt gaccgttgca ctttcggctg gattcgccgt 420
 cctgtctncc tgaatccgt tgattccgat tcgaaatggg 460

<210> 13300
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-D5
 <400> 13300

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 tcgttgatt atnaaagctc cgccgtcgcc tccgccgcaa tcgacgggcg ggtgtctacg 180
 tcgctttcgt ttcgtgcgtn acangaggag cagcagcaaa ataagtcagc ttaagtaacg 240
 ccgtctttga tttgacttga gataagtatt ttggtgatat ggcatatgat atgtttccgc 300
 atttgctcga cgttgacgan aagttnaatg ctggcgaatt ggnagaaacc acatncagat 360
 tgatgctctc ttcagtcgac ctcttttggt aatttggtga aacttacggg gtcgaagggtg 420
 tgtacatata tgctataagg a 441

<210> 13301
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13301

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 acgcgtcagg gcnaactgca ntctgggtttc ggtggatgaa caatgaacag aacgagagag 120
 atcctgataa natcaacaac aagaagaaga aaaaggaatc tccattggtg atttactccg 180
 tctcgaaaagc agagaaacga atcgtgtcta agttcagaag gagaccctta tcgccgaata 240
 cgtctccttc ttctgggttt tggaanag tctgcttttg tggaattgaa cctgaccctg 300
 aagatgacaa ctttaanctt agggttctgc tacagaccaa tgatttcttc tccaaggatt 360
 ctaatccaca tctctgtttg taagttcaga tatatatata tatatatata tatatagtgt 420
 agttttcatt tagtatacca ccaatatctg tatagatctt cttttaaact tcatcaanat 480
 caanagtgtg ttcacatg ttnccaaana tttttgcaga acagagtgat ta 532

<210> 13302
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-D9

<400> 13302
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gcagaaaact tgcgtggaag gcctttcagc atgttgctgc atatgattct gcggtttcag 120
aatggctatg gaagcagact gaaggaaaag agaagttccc tcccagcttt acagttccgc 180
ttgtacttaa gagttctctt cgttacgggtg aaaatcctca tcaaaaagct gcattttatg 240
ttgataagag ccttgctgaa gtgaatgccg gtggatcgc aacagcgatt caagcatcat 300
ggaaaggaaa tgtcatataa caactatctt gatgctgacg ctgcatggaa ctgtgtgtcn 360
gaatttgaat anccaacatg tgtagtcttg aaacataaaa atccttgtgg ggtggccncc 420
ctgaaaaaaaa 430

<210> 13303
<211> 207
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-E1

<400> 13303
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ctcttcaacc tcattgtcaa tctgtccta ataaggttga naagccgaac agcaagggtg 120
atgatggcat ctttggaacg tcnggtggga ttggtttcac aaangcgaat gagctattcg 180
ttgtgtcgtg ttgctatgat tggnttc 207

<210> 13304
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-E10

<400> 13304
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atctatgcaa agctgggttg aagattgtag cagcagctcg tcgtgttgat cgtctcaact 120
ctctctgttc tgaaatcaac agctttgggtg caatcggagt ccaagccgca gctcttgagc 180

tagacgtttc atcagacgca gacactattc gaaaagcggg taaagaagct tgggaaatct 240
 ttggaacgat cgatgttttg attaacaatg ctggaatcag aggcaatgtc aagtctagtt 300
 tggatttatc aaaagaagaa tgggacaaag tctttagaac caacttgacc ggatcttggt 360
 taatatccaa atacgtctgc cttttgatgc gtgacgctaa gcgtgggggg ctcggtgant 420
 aacgtcnctc gatttcctgg gcttcacgc 450

<210> 13305
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-E11
 <400> 13305

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 tattctcagc ggtgaaggaa acgagaaggc tcaagatctt ctattgctcg atgtcactcc 120
 tctctccctt gggttgaaa ctgccggtgg tgtcatgacc actttgatcc caaggaacac 180
 aaccatccca accaagaagg aacaagtctt ctccacctac tcagacaacc aaccgggtgt 240
 gttgatccag gtgtacgaag gagaganagc cagaatcaag gncaacaanc ttcttggtaa 300
 atttgagctc tccggaattc ctccaagctc ctccgtggtg tccccagat nanantctgg 360
 ntttgacatt tgatgccaan gggnatnctc aatgtcccct gctgnggaca agacaccggg 420
 ccnaanaaac a 431

<210> 13306
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-E12
 <400> 13306

ntggccttct ctatcacccg aagctgtaga ttttgtgaag agattgctaa acaaagatta 60
 ccgtaaaaga ctaactgcgg ccaggcttt gtgtcatccc tggctggttg gctcgcatga 120
 actaaagatt ccatctgata tgatcatata caagcttgta aaagtgtaca taatgtcaac 180

ttcattgaga aaatcggctt tagcggctct tgccaaaaca ttaactgtac cgcagttagc 240
 gtatcttcgg gagcaattca cattgttggg gccaaagcaaa aatggatata tctcgatgca 300
 gaattacaaa acagcaatcc taaagagttc aacagatgct atgaaggatt ctcgagtgtt 360
 tgattttgtt cacatgataa gttgtcttca atacaagaaa ctanactttg aagagttttg 420
 tgcttcagca ttaagcgttt atcagctcng aaaca 455

<210> 13307
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-C2
 <400> 13307

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 ctccgtetca ncttcacctt tccctttttc aaaatctctc tctctctctc tctttttaga 120
 tccagtttta gggttttctt ctctgtgagc gaagatgcgt gagattcttc atattcanng 180
 aggtcaatgc ggaaacaaaa tcggttccaa nttttgggaa gtggttaatc tcgagcacgg 240
 gattgatcag acgggacggg atgtaggaga ttccgagtta cagcttgaga gggttaatgt 300
 atactacaac gaggcgagtt gtggaaggta cgttcctcgc gctgttctca tggatttgga 360
 gcctggaacc atggacagtg tcagatctgg tccgtacggg cagatctttc gaccggataa 420
 cttegtentc ggtcantcgg gtgctgggaa taactgggct aaaggtcact aactgaagg 480
 tgctgagctt attgatcgg tccttgatgt tgttcgcaaa aaagctgaaa aa 532

<210> 13308
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-A10
 <400> 13308

aaagaagaac aacaacaatg gaggagattt cggagaagaa gaaagttcca ttgacggaga 60
 catactcgag tcaatcctct cctatttacc actcctagac ctcgattccg cttgccaaagt 120

ctccaaatca tggaaccgcg ccgtctttta ctccctccgc cgccttaaaa ccatgccgtg 180
gttggttcgtc tacanccaga gaaattctcc gccgtacacc atggcgacga tggcgatggc 240
ttatgatccc aagtcgagg cctggatcga gctcaagacc gcatcatctc ccgtcgaaca 300
cgtctccggt gctcgatcct ctcactccac gttgctctac gctttatctc cggcgagatt 360
ctctttctca accgacgctg ttcatctgac ttggcaacac gtggcaccgc cgaaaagttt 420
ggnnnggatng atcaatccgt ngtgtttgtc cggacgggan c 461

<210> 13309
<211> 334
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A11
<400> 13309

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gtctgttagt aatctatcta cactaatggt gttactcttc aatgtattca gtatcatatt 120
tatgttttct gttcattgaa ttagtcaaaa agcatttggc tttacaatcc ccaatttctc 180
actaaaaaca gatttcacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa aaaaaaaaaaag 300
gggggggcnc cctannggtt ccanncttac ttnc 334

<210> 13310
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A12
<400> 13310

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tttggettgc ctgccttacc taatgccact gcatgaaact tggatgtatg cagaaaccgc 120
ttaccatctc caccatttcc tagaagattt tgaattctta acctacccat ttctaggcgc 180
cataggaaga ttaccaagct ggttctcat ggcttacttt tttgtagctt atctagggat 240

aacaattacg gctcttttcgg ntgtcccaag ggng

514

<210> 13316
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-B10

<400> 13316

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tctcctcaca ccaactcatct tctcctcct cctcctctca ccattttcag tctcagatgc 120
tggttccatc ggagtaaact acggccgaat ctccgacgaa ctcccctccg cattcaaagt 180
agtccaacta ctaaaatccc aaggaatcac gcgagtcana atcttcgacg cagaccatca 240
gttctcaaag cattatccgg atntggaatc aaagtcaccg tagatntccc caacgagtta 300
cncttctccg gccgccaaag gaactttcct tnggcngttt tcanggggtn naannngcna 360
nngntttc 368

<210> 13317
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-B12

<400> 13317

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gattaccttt ggggctatct cctaaaggcg tgaaaggatt taccgttaat ggcgaaacgg 120
gacggttctc ggtttatctg aatcagtcac gccaggctaa gtatgagaca gagctgcatt 180
acgatgagat tgtttcggga acgatagggt atgctcaaat cagggattta tcgggaatct 240
cagcgcaaga gctgttcttg tggttacagg tgaaaggaaat ccgagtcgac gtgcctagct 300
ctggcttat attcttcgac gttgggtgtc ttcgcaagca atactctttg tctttgttcg 360
agacaccaag agattgtgtc gcgggttcgt gcgatgccga gtttantggt gaaaacaang 420
gtcaatctc gatgttgcca attgtatcaa gtnaatt 457

<210> 13318
 <211> 295
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-B3
 <400> 13318
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 gatgaatttc atgtacactg gaaagttgaa catggaagac actgtgaatt ttggcaccgn 120
 agttgattca tcttctcttt ctagctgacc ggtttggagt tgttccactt catcaanaat 180
 gctgcaaaat gctcttggag tgcctctcan aagggatggc gttccgtttt ggnanaagga 240
 tctgtatgct cagttctcca antggtttcg tcaactcatc atgtnaactc attga 295
 <210> 13319
 <211> 68
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-B4
 <400> 13319
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 aacntcaa 68
 <210> 13320
 <211> 69
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-B6
 <400> 13320
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 tcgttggttc 69
 <210> 13321

<211> 521
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-B9

<400> 13321

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 aagatttcac acaaatccaa gacgctaatt ctataatggt gagtttttaa tgatattctt 180
 ttacaagttc attaataatc catatattta caaaaatgct tagctcttct taaacatgat 240
 ttgattgctt caaacgcaag tattaatgaa cttgtaaact taggttttga atggatgttg 300
 tggttagtgt ggactaatcc ctcagcgggc tagtctatac tgtttttggg gcggacaata 360
 aaccgctgcg gagttagttt aaagacgggc cacaattagc ccgcaacggt tttattttat 420
 ttttttgggt ctgcactgta gacgggtttg ttcgcttgga ccgctgtaat cattcgaaac 480
 cttagaatta nacatgtagg caaantttga ntgcctcaaa c 521

<210> 13322
 <211> 73
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-C1

<400> 13322

caangaagga aatgataata tatacataca cagacanaca cacaatgctc atcagaanga 60
 agttttatat gat 73

<210> 13323
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-C10

<400> 13323

tncttctctc ttccccatc aaaaaaaaca aaaacaaaac acaactctgt ttctctcatc 60

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aagaagatgg cgcggaataa ctttcagaga gaagttttgc cggtaacggc tttggtaata 180
atggaatgtg caaacgttgg tttaaacact ctgttttaaag cagcaacttt gaaaggcatg 240
agctttcatg tcttcacgtt ttactcttat ggtctcgctg ctctgcttct tcttccttct 300
ctgttttgc ttttcagatc aagaactctt ccaccgatga atttctctat tctctacaaa 360
atcgtgctct tanggattat tggatgctgt tcaaacataa tgggatacac agggataaat 420
tatagttctc caacacttgc ttctgnaatc aacaac 456

<210> 13324
<211> 452
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-H8
<400> 13324

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caagctttcc gatttgcgat ggacggtgga gcggaaggat ctcagcagcc tcaccttatt 120
ctageccaaca agctcttcct cctcactcat ccagatgttc cagacatcga gaaagtccag 180
ctcaagtctg aggttttgga tttcatcaag atcccatggt atggctcctt tgtacgaaac 240
cctaattgcc tcttcggtgc tggatttgga tnaaagcttg ttagagtcta tgcggggccgc 300
taatgaagaa gagcttaaag aagctcgacg agaagattgc aagatgcaga agaaaatttg 360
ggtgaaagtg aagttcgtga aanccancct tgctaaggcc tgtanttcac caaggattaa 420
tgataaggag aaagcnttgg acaactaaaa ac 452

<210> 13325
<211> 458
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-C11
<400> 13325

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tantctccac ttcacaaact tcgtaatcaa aacatcaccc tctctttctc accgcttccg 120
 ctgtccccgat gccgtccccg natccactgc tcagtttcgg ccggtgagac tacaatacaa 180
 tccatggagg aagctccgaa gatatcatgg ggatgcgaga ttgattcact tgagaacgct 240
 acttctcttc aagaactggc tctctgattc aggtctccct ccgcagaaaa tggctattga 300
 tagagtgcac atcggtgagc gaggcctcgt cgcttcacaa gaatctcatg aaaaggagag 360
 aaattgctct tcgttccctcc ttctcncgtc atcagtgtg attccatcaa tgcaaggtta 420
 aagttncgg cnttcatgaa tggatgaatat cnaatatt 458

<210> 13326
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-C12
 <400> 13326

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 gaacttggcg agtggttggg attggttagag atttctactga gcaacaacca tctctctgga 120
 gagattccag cttcactctc tcgtttgacc aacctcacia tcttgatct atctggaaat 180
 gcaactgact gatctattcc aaaggagatg ggcaactctc ttaagttgca gggattaaac 240
 ttggcgaata atcagctcaa tggccatatt ccaagaaagc tttggcttgt taggtagctt 300
 ggtgaagcta aacttgacta agaacaagct tgatggaccg gttcctgctt ctcttgggaa 360
 cttgaaagag cttacacaca tggacttgag ccttaacaac ctaagtggcg aacttcatca 420
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<210> 13327
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-H7
 <400> 13327

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 gggtggggat ggggtttcgg tgttccaaca gtcgcatgg ttatcgcggt ttgctttttc 180
 ttcttcggaa gccgttttta cagacttcag agacctggag ggagtccact tactaggatc 240
 tttcagggtta tagtagcggc ttttcggaag ataagtgtta aggttccaga ggacaagtct 300
 ctgctctttg aaactgcaga tgatgagagt aacatcaaag gtanccggaa acttgtgcac 360
 acagataact taaagttttt tgacaaggca gcggttgaga gtcaatctga tagcatcaaa 420
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<210> 13328
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13328

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 tcttacatga gcatcactgg cgcgtccgag tcaactcgca ttcagagact tgaggaacat 180
 ggcaataatc tccctgaagc gatcaatgcc cactttagag atgtcgaaag aagcatttat 240
 gatgactcaa gcttagacac tcgttcanac tacaatgttg tggaagataa caatcacgtt 300
 cgtggtagcg agactaggcc agttaacgag tctangccaa tcctggggcg cacttccatc 360
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 ggata 425

<210> 13329
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A1
 <400> 13329

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aacccatnat tgaaagaagc tctttttttg cttacattga agttaaaaaa tcancacttg 120
 ttttgttttt gnagaaacac acataaagtt tgtcttttta cttctcaa at ttgggttgttt 180
 tcaactcaatt tcaatcttgc tttctgattc agattctggg ttttcttcag aattcccaga 240
 gaaagttggtt ggaattgaat ttttcacntt tttgggttcat aaaagttcta agtcattnta 300
 ngatgaacat ggggcaaagg ggaacaagag caanncccta naattactta acctttgggg 360
 tcaagaaccg attcccttgg ggaatggcaa tnaaaggaac aattggggaga attcccttgg 420
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<210> 13330
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A10
 <400> 13330

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 acccatgaag ctaaacagtc ttctccaaca aggggttgctc caaaaaacca caaaagcaac 180
 caacttgatg agattctgag agattacgaa gctgtattgg gatagagact catgttcagc 240
 tctctacatt gacaaaagcc ttttgtagtt gctctaaca ttacgggttct tatccaaaca 300
 caagtatttg tctgtttgt atgggtttgc ctgggtgctt gcctgttttg aattccaaag 360
 ttgttgaatt tgggtgttaga ttgggtttta ctttgaantt gtgatttgct cctaagtcta 420
 aattcgtaag gaacaatatt tt 442

<210> 13331
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A12
 <400> 13331

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ttaggttttg atccgaatgt gatcggactc ggagcctcca atggcacgcc tcgggtcggg 120
 ttatttcgcc attcgaatcc aaagctcggg gaacagcttc tctacttcat cctctcttct 180
 cttcgtggcc ctgctcagtc ttcaaaggat tttgataagg tttggccaat tttcgattcg 240
 gctcaatctc gcgattttcg taaggttggt caagcgatta taagcgagct tgaatcacia 300
 ggggcattac caaggagtaa ttcgaggggt tcatcactaa ccacttgctg tggaccaaga 360
 tttgtggagc tcctgtggca actttcactg catgcgttaa gagaaattca taagcggaca 420
 attnctgct 429

<210> 13332
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A2
 <400> 13332

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 agccataatt gactttgtta aagccctctg caaagtttcc atggatgagt tacgatctcc 120
 atctgatcca cgggtcttca gcctaacaaa gattgtggaa atagcgcact ataacatgaa 180
 ccgcataaga cttgtctggg cgagcatctg gcatgtgctc tctgatttct ttgtgactat 240
 tggtgtttct gataacctct ccattgcaat ttttgcaatg gattctttgc gccagctgtc 300
 tatgaagttc ttaaagcggg aagagttggc gaattataac ttccaaaatg aatttatgaa 360
 gccttttggt gttgtcatgc gcaaaagtgg tgctgttgag atnagggaat tgattatacg 420
 atgtgtctca caaatgggtt tatcccggtg tgg 453

<210> 13333
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A4
 <400> 13333

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cttcggtgag gtcactaatg gcctctcact ctctctctct tgatgctttg gttgttcctt 120
ccgaagacta tcaccagagc gagtatgttt ctgcacgaga caaacgccgt gagttcgtgt 180
ctggattcag tggaagtgca ggtttggcac ttatcacgaa gaaggaagca agactttgga 240
cagatggtcg atacttcttg caagcattgc aacagcttag cgatgagtgg acactaatgc 300
ggatgggaga agatcctctt gttgaagttt ggatgtctga taatctacct gaagaagnaa 360
atataggtgt tgattcatgg ngtgtctcgg taaacactgc gaatagatgg gggaaatcgt 420
ttgcaaagaa gaatcaagaa actaa 445

<210> 13334
<211> 506
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-A5
<400> 13334

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cgcggtgggcg gacgcgtggg cggaacgctg gggtttgtga aagggagaga gaaatggagg 120
aaggtctaaa gattcaatct ttggtcattt atccgatcaa atcttgccgt ggaatctctg 180
ttctcaggc taccgttact catactgggt ttcagtggga ccggtattgg ttagttgtta 240
actatnaagg aagagcatac actcaaagag ttgagccaac ccttgctctt gttgaatcgg 300
agttgcctaa ngaagccttc ttggaagatt gggaaccaac anatgactca ttgttggtga 360
taagaactcc tggatgant ccgttaaaga taccgttgac tangncaagc tcggtaacan 420
aaggtgtgtc catgtnggaa tgggtctggct ctgcctttga tgaaagngaa aaaactgcc 480
aatgggtttc aagattaacc tgggaa 506

<210> 13335
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-034-Q1-E1-A7
<400> 13335

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 aaaaaaaaa atggcctctt ctagattcca atctggggtt tgtcctatct ctccgtgtcc 120
 ctctcttgag aatttcacg aaaggattaa agacgcatgt cgtttcacc tctccgctgt 180
 tctagggaca attctctcgg cggctcttgac tttcttcttc gctttagtgg gcacattgct 240
 tggagcactt actgggagct ttgataggcc aagaaaccga aagtggggtt atccgaggag 300
 cggcgggttg agccatttcg ggagctgttt tctctatcga agtctttgag tcatctcttg 360
 ttctttggaa atctaagag tcacgttttg gatgtctctc tacttgattg atgtcattgg 420
 taatccgata aagtgggtag act 443

<210> 13336
 <211> 89
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A9
 <400> 13336

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 ttctgatatc atcttcacgg tgaaagatg 89

<210> 13337
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-B1
 <400> 13337

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 attacaatgg cttcttctat cttcttcttc ttccttatct tctctccgt cgtctccgcc 120
 gtcaaaactac ctctctctcc cttctccac tccgaccaat caccaaaaga cccttacctc 180
 tctctccgtc gtctcgctga atctcaatc gctagagctc ataaactcaa acacggnacc 240
 tcaataaaac ccgacgaaga tgctctctcc tccaacanca ccgcatccgc caacgtcgtg 300
 aaatctctc tctctgctaa aaagctacgg ngggtactca agtctctctc agctttggna 360

naacgtcgca aacaatccca ttcgtttttg ataacgggaa gaagtctcgt tttggntacc 420
 ttgtactcaa gatattcttg ctcccgggtt gcgaat 456

<210> 13338
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-B10
 <400> 13338

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 gataacgagc aattgttttt tttcagattt gatcctgaat ttttacattt ttttttttgc 120
 aatctccccc taatctgttg tttctcgctt cttcttctgt taatcatctg tctttcaaaa 180
 agaaagaaaa aagaaaaatt cgatttctgg gtttgttttt gtcatacaga aaaaaatcaa 240
 gcttatgaat ttgtgtttta ttttttgttt taatttgaaa ggcagggtttt ttcagaacga 300
 gatcgttttt tcaaatttct tctgatttta cctctttttt tcttcttaga ttttaagtga 360
 atcnaagggt gaaanttttg attccctctt ttcgggatct acacagaagg ttgcgtaatt 420
 caaanccttt tanattcaat t 441

<210> 13339
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-B2
 <400> 13339

aaagagaaga aaggttctag gtcttgtttg ctttcccctc ctgctaatacg accaagcgaa 60
 taatctccag ctaaccaccg atgaagcgaa caatcaacga agtcgtcgga tctacctccg 120
 tcaatactct cgattcctcc attgctaaga agcctgtctt cctcaccaaa aaacagcggg 180
 aagagttagc cctaaaacgc cgccaggatc aaatctccga gcaacgtgtc cgtcgtgagc 240
 aacttggtcg ccccgagccc gagacggaag atgtctccaa tggagatacc aatcgggata 300
 aggatcgaga tagagatcgg gaccgagacc gagaacgtga ccgagatang gagagagata 360

aagccaatcg ctcaagtacc tcacaaagtc atatctcgga tacaanatnc agtgcgggaa 420
gcacgangtt tacgaagact gtgtatccgc gatgagactg tacaagagaa tgcgggatna 480
agagcatggt tgtagtgnna aagcaagnaa ggaatgg 517

<210> 13342
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F12

<400> 13342

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cgctcgctcgt ctttcttcac tctctatgt ttctccata aatccaagca agaccttctc 120
tcttctatc tccctaaaac ttaactctct ctctttctct tttgggtatc gtcccaagcc 180
actccggttt tctaaaatcc gatcttctct gccctcgaa tctgaatcgg aatccgacct 240
agatgcgtct gcagttacag atgaatgggg tgagaaacct ggagatgcan atgagcccgga 300
ctctcagcca gataatgtga ccgtgaatgt gattanggac gantgggggc gagaaatccg 360
ggacccgaaa ctttgaggaa tcccggggac ccggttttaa ngggatccng attcctccaa 420
agggaaacgaa anaaccaatt gggggaangg agaaaatttg g 461

<210> 13343
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F4

<400> 13343

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caaccatttg aatacatggt tttcaatttc actacagta aagaagaagt gacttactca 120
tttagaatca ctaaaagcga cgtttactcg agattaagca taagctctc aggattgtta 180
caaagattca cttggattga gacagcacag aattggaacc aattctggta cgcacaaaaa 240
gaccaatgtg atgagtacaa agagtgtggt gtttacgggt attgcgactc gaacacttca 300

cctgtttgta attgtattaa agggtttaag ccgaggaatc ctcaagtgtg gggattgaga 360
gacgggtcgg atggttgctg gaggaagacg ctactgaact gtggtggcgg agatgggttt 420
gtgcggttga agaaaatgaa attgcccgga tactacc 457

<210> 13344
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F5
<400> 13344

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aaatctatgg atgaatatct taaggacctt aagactatct gtgaccaact agcctctgta 120
ggaagtcctg taacagaaaa gatgaagatt tttgctgctt tgaatgggtt agggcgagag 180
tatgagccta tcaaaaccac tattgaaaac tccatggatg ctctgcctgg tcctagtcta 240
gaggatgtta ttcctaagct tacaggctat gacgatcgac ttcanggtta tcttgaagag 300
acagcagttt cacctcatgt cgccttcaac atcaacactt caaatgactc caatgcttct 360
gggtacttca atgcttaciaa tcctggcaaa gggaaatcta acagangcag aaactcantt 420
agtactcntg gtccgtgg 438

<210> 13345
<211> 527
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F6
<400> 13345

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accacgcgt ccggganaac gtggaagaag aagccatgga ctctatcgtc tccagttcga 120
cgattcttat gcgatcatat ctcaactctc cggttcggtt atgttctccg gcaacctccg 180
tttccgtcaa acctctgagc tcagtccagg tcacctcgt cgcggctaac cgccacctgc 240
tttcgttaag ctccggtgct agaagaacca gaaaaagctc tagttcgggtg ataagatgcg 300

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G3

<400> 13350

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aagcacagtc gaatgcatgg gtgtggtgtc tatgaagtta acgaacgcat cctatatggt 120
agattctact ttggggagct attggaggag gagcatggct gtaccgtaga tatttgtgcg 180
ctgcattctg gtttggcgga ggtggctgca gctaaggctc gaatgtttgt aaacaaaccc 240
gacggaagta ttgccccctt tctttaccac ttcttctgtt tggttctgtg tattaagtat 300
aaaccaagac atatttttagg gatttgtttg attcctttag atnagtgcaa gaccctctct 360
agtaaccatc attctgtttc aaatatatat ttcgcttttc tttcaagcaa tgtccaacnt 420
atgaaagtga ggaanaaaac tgggtc 445

<210> 13351

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-033-Q1-E1-G4

<400> 13351

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tctctccggt ccattgcttc tggatttcgt ttttaagggt tttacatttt tctgccttc 180
ttttacccat cagaggaagt ttcaagccat tttgttaatc agctctctca taagctaaga 240
tgtcgtcatc gcctttttcca gtcttgggac aaccgaccaa ttgataagtg gaaggttacg 300
gaattgaaag aagagcttaa aagacggaga ctaacaacaa gaggcttgaa ggaggaattg 360
gttaggcgtc ttgatgaagc acttcgtgct gagcaagaag agtctgaaag gatnaatagt 420
gctactgttg ctgctgctga aaaagc 446

<210> 13352

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G5

<400> 13352

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cttattcaca gcgcttgatg atatgtatga tgcataatggc acaatggagg aacttgagct 180
tttctactgat gcaatggatg agtatagcat ttgtaacata taatttaggg agtattataa 240
agggtaaggt tgatTTTTTT tttgatgggt ttgacttctc tctaacgtag gtggcttccc 300
gttgttcctg atgagatacc gatacccgat agcatgaagt tcatttaciaa tgtgacngta 360
gaattctatg ataaactcga cnaggacttg agaanagaag gaaggggtcan ggtgcgggtt 420
caaccttaag aaatc 435

<210> 13353
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G8

<400> 13353

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tcaaactaca tttggaagct gancaggcca agagtagcaa agaagcctgc aaaaccacgc 120
aagatgcaga gcacatggct attcgtatc tcggtttaag agcatattca gcagctgacc 180
tgaagaagaa gctcatagga aagaaatata ctattgaagt cgttgacaaa gtgatcgatg 240
atttccagat tcgaggtttt gtcaatgata gcttgtaacg ggagtcattc actcgatcta 300
ngatgggtent ccttaagttg gggaccaagg cgggttnaaa caancattgn ttaaagaaag 360
gcataancan caanngactc agnngacggn cataaagcct ggttttttgag aanacgccaa 420
tgcaatgang ggagatgaa 439

<210> 13354
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-G9

<400> 13354

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 ttggntaatt gttttgatgc acgtcccaat atacaacagt aatgaagcac atttcatgga 180
 gggtgaaagc atgcgagcag cttttgagga gtggtttgtc caacacaaag ttgatgtaat 240
 ctttgctggg catgttcatg cctacgagag atcgtaccga atatcaaag tgcggtataa 300
 cgtgtcaagc ggagatcggt acccagttcc angataagtc agcgctgtt tatatcacan 360
 ttgganacgg aggaaatcaa gaaagtctgg ctggaagggt aacggancac agccagataa 420
 tctgcatttc cggaaantac ctatggc 447

<210> 13355
 <211> 125
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-H11

<400> 13355

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 ggtcc 125

<210> 13356
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-H3

<400> 13356

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aagcctggtg aacttgctat catttccagg gaacaagttc ctccatatga gcgtcctgca 180
 cttagcaagg gatatatcca cctcgaaaat aaagctacac ttccgaattt ctatgttgct 240
 gctggaattg ggggagagag acagttccct caatggtaca aagagaaagg tattgagctg 300
 attttgggca canagattgt caaaagcaga tnttgctgcg aaagacactt tgtcaatggg 360
 gactgggaca aagtccttca aagttaccaa aacttttgcc taanctgcaa actgggttcc 420
 ntccggtcaa taaanggggt gtcaagaatt tttgggcgtc cccaaagggt gcaanaatgc 480
 cnaa 484

<210> 13357
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-F11
 <400> 13357

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 gacagagaag aagctgcgaa ctttaaattgt cacaggctgt aattttcaag ccgtttgttt 120
 cagttccatc aagtaatcac agccagagga aactacagaa caatattatc aatgttggtg 180
 ttaaaatcca aaaccgatcc agagttgttt gtatgggaat gttggctcca aggaaattcc 240
 tgnaaaagag gnggaaaatg gaggttttca agggntgcaa ctgacganac gggttagaag 300
 agatggagaa ggcttatgct agaaattgaa tcnaccgggt tctgcngttc cggtgcntaa 360
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<210> 13358
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-C8
 <400> 13358

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 tacaaaccct cgtcgccgtt gagccggagc cagttttcgt ctccgtcaag acttttgccg 180
 cagccaccgt cgctaatttg ggaccagggt ttgattttctt aggatgtgcc gtcgatggtc 240
 tcggagacca tgtgactctc cgtgtagatc cctctgtacg agccggtgag gtctcaatct 300
 cggagatcac cggaaccaca acaaaactca gcacgaaccc tctccggaac tgcgccggga 360
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<210> 13359
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-C9
 <400> 13359

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 gcaaggatgg gactatatgc agactggaat tactaagctg aaacggattc tggaaggatt 240
 gaatgagcca gcatttgact ctgagcaata tatgatgctt tatacgacta tctacaacat 300
 gtgcaccag aaacctctc atgattactc acagcagctt tatgacaaag tatcggaag 360
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 <400> 13360

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tactcgctca cttttctccg tccaattttg cagcttttga agatcaagag gtgaacattc 120
ggagtgatga atcggccaaa ggttcagcgt cgtgttgga agtatgaggt tggaaagacg 180
cttggacaag gcacttttgc gaaagttcgg tgtgctgtta atactgagac aggagaacgc 240
gtggctctca aaatacttga taaggagaag gttcttaagc ataagatggc tgaacagata 300
aggagagaaa ttttgtacta tgaaactgat aaaaccatcc aaatgttant gccggctgta 360
tgaaggtttt ggcgancaag actaagatat aaaatggttc aagagttcgg nacnggtgga 420
naactttttg acaaaa 435

<210> 13363
<211> 453
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-033-Q1-E1-D3
<400> 13363

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caagtttata ttctcagcc gtgtagttca aatcccggca caaaactctg tcgtcgcttc 180
cccagaaaaa ggggtcacac ttaaacttgt cgaaaccaa caacaatgga agatgacaag 240
gatatatata caaaagatgg aactcttgac attcacaaga aaccagccaa caagaataaa 300
actggaacct ggaaagcttg cagattcatt cttggaactg agtgctgtga aagattagct 360
tactatggaa tgagtactaa tctcatcaac tatctcgaga aacaaatgaa tatggaaaac 420
gtctctgctt ctaagaatgt caagtaactg ggt 453

<210> 13364
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13364

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 ggaaagctac accaagctta tgggttttgg aaatggggag ctttgattat cgcatttcta 180
 gcttatttca ccaactttgt tagtaaaactc aacagtctag ttggttaggtt aagaaaaata 240
 gatgtctctg tttcctctcc aactcttttt gatgattacg atagcgattc cgatgtttct 300
 tgttctcta ccgtctctc tgacgatgaa aaagacgaag aagatgaggc tgaatgatga 360
 aagatgaggg atgttgactc catctttaat cgaagacnat caacggangt ttccgcgtta 420
 gaggatctga taatacgaat gatgatgag 449

<210> 13365
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13365

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 tgggcttgct gaaagaaacg tgatatatat gcagtgagcc agtgatcatg caaaagaaat 180
 tcagagtgcg atagagaaga tggagcctga acgtttaaaa tttggaggtc caagagagtt 240
 gtgcggtgct gcggatctta tatctcaatt caaactagtgc caacaccatg aattcttttg 300
 caagaaatct cttcctgttt ctttatcaga ttcccattat cttcataatg tggttgggga 360
 cacaagagat nagaaaanga gaangaatgc aattagatna gcttaatgga gagcatatca 420
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<210> 13366
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-D8
 <400> 13366

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 cccctccgta caatgccggg atcgtacggc tggccgttgg ntgggccatt ancggaccgt 180
 ttagattcca aggacccgan aagtttttcc ggacaagagc tgagaagtat aagagcactg 240
 tgttccgtac aaatattcct ccgacgtttc ctttcttcgg caacgttaac nctaacatcg 300
 tcgccgttcn tgacgtcaan tcttttagcc atctttttga catggatcta gttgataaaa 360
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 gttatctc 428

<210> 13367
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13367

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 ttccgagctag gaccaaacc atcagacatg aaaggaacag aaatactaaa caaactagca 180
 ataccaaact gggaagtcac aggattcgtc gaatacatta aatcaggaca taaacaagga 240
 gacatgcttc tcgttggttc ccgccgtaaa ttccgtgtaa gacttgggaa cgaagcatcg 300
 atcaaacaaa gacttaaagt ggtaaaggaa tgtattactc actcaacttt tagtgctgct 360
 anaaattgtg cacaaagacg agaagactta acatatctgt nacaactgan tcccgtgtga 420
 atccgaatca aacggttaaa anaataangg gt 452

<210> 13368
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-033-Q1-E1-E12
 <400> 13368

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ccaggagtga atattcttgc agcttggact ggagacatgg caccatcgag tttatcatct 180
gatccaagga gggttaagtt caatatactg tctggaactt caatgtcatg tcctcatgta 240
agtgggttag ctgctttgat caaatcaagg catccagatt ggagtcctgc agcaatcaaa 300
tcagctctca tgacaactgc ttatgttcat gacaacatgt ttaagcctct tacggatgca 360
tcaggagcag ctcccttcac gccttatgat cagggtgcaa gacatataga ttctttaaga 420
gctacaagat cctgggtt 437

<210> 13369
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-E5
<400> 13369

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ggttggtaca gttgcagaaa tggcgtcatt tgagatttgt tgtgcaaaat ggatcagctt 180
tttctaattc ctattcttct gctagtgtca ctgatttgag ctcaagagat ggtcgaaaag 240
tgaagaactt tactgtctct tacctcgttg attcattggg tttagctaca aaactcgctg 300
aatcaatctc aaagaaagtc agtttcgtga acaagggcaa tcctgattta gttctgagtc 360
tttttagaag ttatgggggt cacaaaattc tcaagatctc cagcatcaat tacggattaa 420
cctagattgc ttctaataaa ang 443

<210> 13370
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-E6
<400> 13370

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 tggttcgaga ttactgatc acaaagcagc ctcttctcca gcaattgggtg caccaacgga 240
 gagtggggcg aagactaggt cttcttcagg gaaatgggtt tgcgagtcac cgacgggtta 300
 gtgttttcaa gtgagttctc gaagaagatt agaggagaag ctgatagcaa tcctgaattt 360
 caaaagacag tgaangagtt caaggaaaga gcagangaat tgcaagggtg taaagaggac 420
 ttgaaagtta gaacgaaaca aact 444

<210> 13373
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-B12
 <400> 13373

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 caaagtctct ctgctgcctt catcttctac ccatggcggc cntagttcct gcgtccttac 180
 aaaancatcc gtctcgctta cgaangtctt cgctgttccc gataccctat gatccaactc 240
 cagaaattct cgatgaaccc gcctctggaa gttccgagct ctcanccatc agtgtagacg 300
 cngataaaga tggcgccaaa gcaaaanatt aagatnaagc ctaaatnata ctgggtgcct 360
 cctaatagac actcatgcaa ncanatacat tgatgctgca aaaacnchnat ncaaaaacga 420

<210> 13374
 <211> 530
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-B3
 <400> 13374

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 caaacactan tctcttctga tttgtaccct aacgtttact cgacttatct aaagccgtga 120

acctcgccgg aattcttaaa gtcgcgattt ttccttaacg ccgtttgatt cccttacggc 180
ctttgaggtc caggagatag caaatttggt ggtgagtact gaaaaatgga ggaagagaac 240
gaagtagtga agacgtttgc agagcttggt gtgcgtgagg agcttggttaa agcttgcgag 300
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cctatattgc aaagcactac ttgagtatgt ttaanaatcc tgaacctaaa gaaaaggagc 480
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<210> 13375
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-B6
<400> 13375

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aactccttga agaaggattg aatccaagcc aacctatata caacagcttg atttctggat 180
ttcgtaatct gggaaacatg gtagcagccc ttgatttgta caagaaaatg ttgaaagacg 240
gtctacgatg tgatctgggt acatatacaa cactgattga tggattggtg aaagatggga 300
aatttgatcc tggncctctg agttgtacac agaaatgcaa ggcnggtggg tcttgtcctt 360
gatgaaatca ttacacagt aattgtaaac ggtcttanca agaaggggca ttttgtaaaa 420
ntggttaana tgtttgag 438

<210> 13376
<211> 407
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-032-Q1-E1-B9
<400> 13376

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 ttcaatcatt ctctcctcag cgcgttcctt gtcattctgc ttcactcgta gtgaaatcct 180
 tctcttccat cgatgaacca gatctcgaag aagacgaaga gagcgaggat gaagatttca 240
 gcgcagaaga atacgaatac gaagacgaag aaagaagaag atgancanga cantggagtg 300
 gtgggttccc gagagangaa ttgaagattc ggaaacatct gangaagttt cggaatatag 360
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<210> 13377
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
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 tcaatccgtc gcgctttcac aggacgattt gaagaagctc gcggcggaga aagctgtgga 180
 ggcaattaaa cctgggatgg ttctagggct cggaaccgga tccaccgcag ctttcgctgt 240
 tgatcagatc gggaaactac tctcttccgg tgaactctac gatattgtcg gtatcccaac 300
 gtcgaaacga acggaggaac aaagcacggt cgtaagga tctctntgtt gggtaagat 360
 acacatcccg anaaatcgat ttgcctaata tgacnggaca aaacgaaggat aagattcgna 420
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<210> 13378
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-C2
 <400> 13378

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ctgaaacttt gccttgtcng aagagttcga gaaaacccac gtttcttctt ttaagatgta 180
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 gtgttggatc tgggagttat agtgggtggac aagangatgg atctcagagt agttctcttg 300
 atcagtctcc tgccacttca tcagnaagct taaaacctcg aaggccattt cccttanent 360
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 aggaggacca cntcatt 437

<210> 13379
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-C3
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 tacacaagct ttcttcttgt ttgtctggcg aaagagtgta cagacattcc tacgaagctc 180
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<210> 13380
 <211> 91
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13380

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6500-437-6500